

1.2.2	Percentage of new degree programmes, fellowship and diplomas introduced by the university across all Faculty during the last five years (Certificate programmes are not to be included)
DVV Clarification	<ul style="list-style-type: none"> • HEI to provide the minutes of meeting of the academic council for the starting of new degree programs, diplomas and fellowships; • DVV partner observation: none of the meeting have the attendees of the members of academic council; • HEI to provide the minutes meeting and course content of the following degree programs: MSc (Medical Lab Technology), Pediatric Pulmonology and MSc (Clinical Psychology)

As per SSR	
Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the last five years	27

DVV Suggested Input	
Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the last five years	

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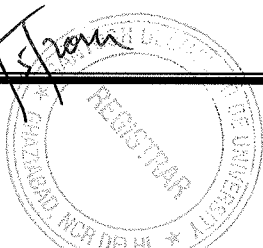
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1.2.2 Percentage of new Degree Programmes, Fellowships and Diplomas introduced by the University across all Faculties during the last five years

List of the new Programmes introduced during the last five years

S no.	Names of the new programmes introduced in the last 5 years	Program Code	Number of Academic Council	Year of Introduction
1	MD Anatomy	MAN14	30 th Academic Council	2019
2	MD Dermatology, Venerology & Leprosy	MDE21	34 th Academic Council	2020
3	Family Planning Program	Fellowship	40 th Academic Council	2020
4	Transfusion Medicine	Fellowship	40 th Academic Council	2020
5	Pediatric Pulmonology	Fellowship	40 th Academic Council	2020
6	EMG & NCS	Fellowship	40 th Academic Council	2020
7	ENDO-Urology (FIEU)	Fellowship	39 th Academic Council	2020
8	Clinical Proctology	Fellowship	39 th Academic Council	2020
9	Oral Implantology	Fellowship	40 th Academic Council	2020
10	Preventive And Interceptive Pedodontics	Fellowship	40 th Academic Council	2020
11	Pero Esthetics Pink for the Sake of White	Fellowship	40 th Academic Council	2020
12	Critical Care Medicine	Fellowship	40 th Academic Council	2020
13	Critical Care Medicine - Post MBBS	Fellowship	42 th Academic Council	2020
14	Minimally Invasive Surgery	Fellowship	39 th Academic Council	2020



15	Elderly Health Care	Fellowship	39 th Academic Council	2020
16	Emergency Medicine	Fellowship	37 th Academic Council	2020
17	Lingual Orthodontics and Micro implants	Fellowship	37 th Academic Council	2020
18	B.Optomtry	21BOP02	44 th Academic Council	2021
19	BSc (Clinical Nutrition and Dietetics)	21BCN01	44 th Academic Council	2021
20	MSc (Clinical Psychology)	21MCP08	44 th Academic Council	2021
21	MSc (Medical Lab Technology)	21MLT06	44 th Academic Council	2021
22	MSc (Medical Imaging Technology)	21MIT05	44 th Academic Council	2021
23	Master of Hospital Administration (MHA)	21MHA11	44 th Academic Council	2021
24	BAOTT (Bachelor of Anesthesia & Operation Theatre Technology)	22BAT03	47 th Academic Council	2022
25	M.Optomtry	22MOP12	47 th Academic Council	2022
26	MD - Radiology	22MRA22	44 th Academic Council	2022
27	MD - Emergency Medicine	22MEM23	44 th Academic Council	2022






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It established in 1983 of the DCR Act, 1986

No.1 Santosh Nagar, Ghaziabad-201 009, NCR Delhi,

Ph. No. 0120-2743419 Fax No. 0120-2741140 Email-ID: santosh@santoshuniversity.com

MINUTES OF THE 30th ACADEMIC COUNCIL HELD ON 27.02.2018
AT 02.30 PM IN THE MAHARAJA HALL, SANTOSH MEDICAL
COLLEGE, GHAZIABAD.

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

The following Agenda Items were taken up for discussion:

Item: 1

CONFIRMATION OF THE MINUTES OF 29th MEETING OF THE
ACADEMIC COUNCIL HELD ON 08.12.2017 AT 02.30 PM.

The Minutes of 29th meeting of the Academic Council held on 08.12.2017 at 2.30 PM were circulated to all members of Academic Council for their comments, but no comments were received, hence, the Minutes **were confirmed**.

Item: 2

ACTION TAKEN ON THE MINUTES OF 29th MEETING OF THE
ACADEMIC COUNCIL HELD ON 08.12.2017 AT 02.30 PM.

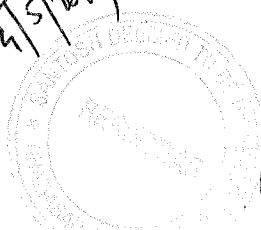
The Action Taken on the Minutes of 29th meeting of the Academic Council held on 08.12.2017 at 2.30 PM **were noted** by the Members of the Academic Council.

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 38th
MEETING OF THE BOARD OF STUDIES HELD ON 27.02.2018 AT 10:30
AM

The Members of the Academic Council considered in detail the recommendations of the Board of Studies and decided as under as

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4/5/2018



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held on 07th December 2007 and these Rules and Bye Laws were further amended / approved by the Board of Management in its meeting held on 01st November 2010.

- c) The Joint Registrar (J)(I) of Honorable Allahabad High Court UP vide letter No. LIBHC-44/2419/LC090118-14 dated 31.01.2018 has requested to provide five seats [Three for Allahabad and two for Lucknow Bench] of compilation of first Statutes, Ordinances with Rules and Regulations of your University with amendments made from time to time for the use of Hon'ble Court.


In view of the facts, the updated / amended "Santosh Deemed to be University Rules and Bye Laws – 2018" are being formulated in accordance with the University Grants Commission [Institution Deemed to be Universities] Regulations, 11th July 2016 after incorporating / alterations / additions some of the following Administrative / Academic decisions as considered and approved by the Board of Management from time to time and after approval of the Board of Management five copies of the same will be sent to the Honorable Allahabad High Court.

ITEM :4

TO CONSIDER THE SYLLABUS FOR INTRODUCTION OF NEW PROGRAMME MD- ANATOMY AT SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI IN ANTICIPATION OF THE GRANT OF APPROVAL OF MCI/BoG

The Members of the Academic Council considered the Syllabus for Introduction of New Programme MD- Anatomy at Santosh Medical College & Hospital, Ghaziabad, NCR Delhi from the academic year 2019-20 onwards and the same was **recommended / approved** as under: -

- "1.To start Post Graduate Programme in MD- Anatomy with **5 (five) seats** in the department of Anatomy at Santosh Medical College & Hospital, Ghaziabad, NCR Delhi from the Academic Year 2019-20 onwards under Santosh Deemed to be University subject to grant of permission by the Board of Governors in Supersession of Medical Council of India, New Delhi U/S 10[A] of IMC Act, 1956 [102 of 1956].



2. The Syllabus of M.D. Anatomy was considered and Approved as per the MCI's Guidelines for the said programme."

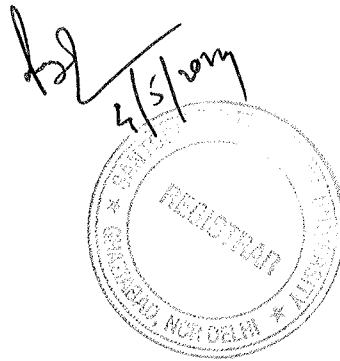
The Meeting came to an end with a vote of thanks to the Chair

[Dr. V. P. Gupta]

Registrar & Member Secretary
Santosh University, Ghaziabad

[Dr. Yogesh Tripathi]

Officiating Vice Chancellor
Santosh University, Ghaziabad



ATTENDANCE OF 30th MEETING OF THE ACADEMIC COUNCIL HELD ON 21/02/2018 AT 02:30 PM.

1. Dr.Yogesh Tripathi, MBBS,
Officiating Vice-Chancellor, Santosh University,
Ghaziabad - 201 009.
2. Dr.Yogesh Tripathi, MBBS,
Officiating Vice-Chancellor & Director Principal
3. Dr. Manoj Goyal,
Dean, Santosh Dental College & Hospital,
Ghaziabad - 201 009.
4. Dr. Vishram Singh
Professor & HOD of Anatomy, SMC.
5. Dr. Tapan Kumar Mahapatra,
Professor & HoD of Biochemistry, SMC
6. Dr. Pratima Verma,
Professor & HoD of Pathology, SMC
7. Dr. Dakshina Bisht
Professor & HOD of Microbiology, SMC
8. Dr. V.S. Chopra
Professor & HOD of Pharmacology, SMC
9. Dr. V.K. Chhoker
Professor & HOD of Forensic Medicine
SMC&H,GZB
10. Dr. R.K. Arya
Professor & HOD of Community Medicine, SMC
11. Dr. Anshu Sharma
Professor & HOD of Ophthalmology, SMCH.
12. Dr. O.N.Sinha,
Professor & HOD of E.N.T., SMCH.
13. Dr. M.K. Bhatnagar
Professor & HOD of Medicine, SMCH.
14. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMCH.
15. Dr. Alpana Agarwal,
Professor & HOD of Obstetrics & Gynaecology, SMC&H.
16. Dr. Alka Agarwal
Professor & HOD of Paediatrics, SMCH.
17. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMCH.

Chairperson

Member

Member

Member

Member

Member

Member

Member

Member

Member

Member

Member

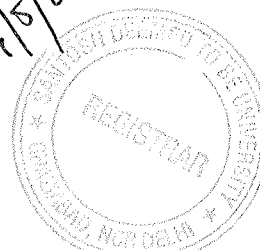
Member

Member


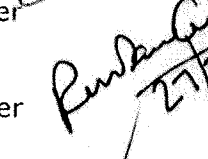
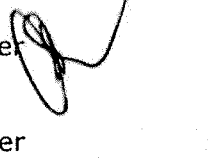
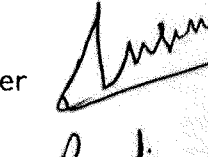
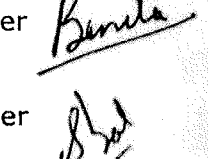
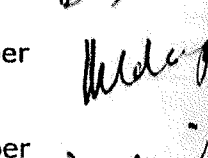
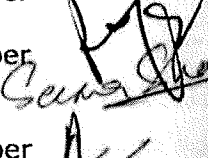
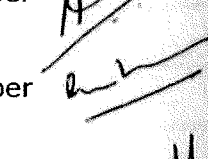
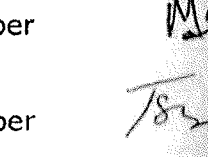
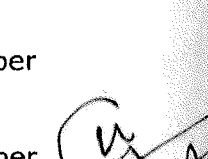
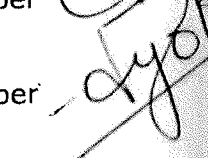

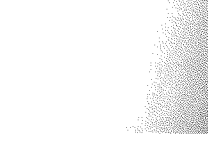
Member

Member

4/5/2018



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|-----|---|--------|
| 18. | Dr. Ashok Kumar
Professor & HOD of Orthopaedics, SMCH. | Member |
| 19. | Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMCH. | Member |
| 20. | Dr. Suganita
Dermatology, SMCH. x | Member |
| 21. | Dr. Rinku Garg
Professor & HOD of Physiology, SMCH. | Member |
| 22. | Dr. Sonisha Gupta
HOD of TB & Chest | Member |
| 23. | Dr. Pradeep Gupta
Professor & HOD of Radio-diagnosis, SMCH. | Member |
| 24. | Dr. S.V. Singh
Professor & HOD of Prosthodontics, SDCH. | Member |
| 25. | Dr. Binita Srivastava
Professor & HOD of Paediatric & Preventive Dentistry,
SDCH. | Member |
| 26. | Dr. Shweta Bali
Professor & HOD of Periodontics, SDCH. | Member |
| 27. | Dr. Dildeep Bali,
Professor & HOD of Conservative Dentistry, SDC | Member |
| 28. | Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC | Member |
| 29. | Dr. Seema Sharma
Professor & HOD of Oral Pathology, SDCH | Member |
| 30. | Dr. Archana Agarwal
Professor & HOD of Public Health Dentistry, SDCH. | Member |
| 31. | Dr. Sonia Chawla
HOD of Oral Maxillofacial Surgery, SDCH. | Member |
| 32. | Dr. Manish Gupta,
HOD of Oral Medicine Diagnosis & Radiology, SDCH | Member |
| 33. | Dr. Tripta S. Bhagat
Professor of Surgery, SMCH | Member |
| 34. | Dr. Amita Sharma
Professor of Obstetrics & Gynaecology, SMCH. | Member |
| 35. | Dr. Veenu Agarwal
Professor of Paediatrics, SMCH. | Member |
| 36. | Dr. Jyoti Batra,
Professor of Biochemistry | Member |

37. Dr. Pradeep Kumar
Professor of Biochemistry, SMCH.
38. Dr. Nisha V. Kaul
Professor of Anatomy, SMCH.
39. Dr. Gajendra Kumar Gupta
Professor of Community Medicine
40. Dr. Deepa Verma
Professor of Orthodontics, SDCH.
41. Dr. Subir Kumar Mitra
Professor of Pathology, SMC &H
42. Dr. Manisha Gupta
Professor of OBG, SMC&H.
43. Dr. Sarita Agarwal
Professor of Ophthalmology, SMCH.
44. Dr. Seema Goel
Associate Professor of Pathology, SMCH.
45. Dr. Geeta Sharma
Reader of Oral Pathology, SDCH.
46. Dr. Atish Anand,
Asst. Professor of Community Medicine, SMCH.
47. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar, New Delhi
48. Dr. Pradeep Venkatesh,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi
49. Dr. Deepak Raghav
HOD of Physiotherapy,
Santosh Paramedical/ Allied Health Sciences College.
50. Dr. Parul Rathore
Assistant Professor of Physiotherapy, Santosh
Paramedical/ Allied Health Sciences College.
51. Dr. R. K. Sharma
Controller of Examination, Santosh University
52. Sh. V. Sampath
Secretary to Registrar
53. Sh. D. Kannan
PS to Dean, Santosh Dental College
54. Dr. V. P. Gupta
Registrar, Santosh University

Member

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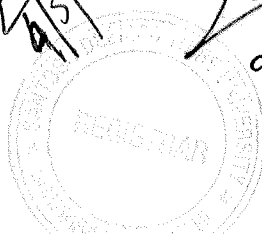
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Member Secretary



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OR

SANTOSH
Deemed to be University
No.1 Santosh Nagar, Ghaziabad-201 009, NCR Delhi.
Ph No. 0120-2749449 Fax No. 0120-2741140 Email: santosh@santoshdeemedtobeuniversity.co

MINUTES OF THE 34th ACADEMIC COUNCIL HELD ON 29.03.2019
AT 02.30 PM IN THE MAHARAJA HALL, SANTOSH MEDICAL
COLLEGE, GHAZIABAD, NCR DELHI.

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

At the outset, the Officiating Vice Chancellor Dr. Yogesh Tripathi, welcomed all the members of the Academic Council as well as newly appointed members viz. **Dr. Bal Krishnan**, Director Professor of Physiology, Maulana Azad Medical College, New Delhi as External Expert, **Dr. Gajendra Kumar Gupta** as Dean of Santosh Medical College & Hospital, **Dr. Jyoti Batra** as Dean Research of Santosh Deemed to be University and **Dr. Pradeep Kumar** as Dean Students Welfare of Santosh Deemed to be University

The following Agenda Items were taken up for discussion:

Item: 1

CONFIRMATION OF THE MINUTES OF 33rd MEETING OF THE
ACADEMIC COUNCIL HELD ON 23.10.2018 AT 02.30 PM.

The Minutes of 33rd meeting of the Academic Council held on 23.10.2018 at 2.30 PM were circulated to all members of Academic Council for their comments, but no comments were received, hence, the Minutes **were confirmed**.

Item:2

ACTION TAKEN ON THE MINUTES OF 33rd MEETING OF THE
ACADEMIC COUNCIL HELD ON 23.10.2018 AT 02.30 PM.

The Action Taken on the Minutes of 33rd meeting of the Academic Council held on 23.10.2018 at 2.30 PM **were noted** by the Members of the Academic Council.

4/5/19



The Members of the Academic Council **noted** the following:-

- ✓ That the Medical Council of India vide their Notification dated December 2018 for implementation of competency based undergraduate curriculum / syllabus [MBBS] from August 2019, i.e. MBBS batch admitted in first year. Batches admitted and studying currently in MBBS shall continue with existing curriculum.
- ✓ That a Sub Committee was constituted on 1st February 2019 consisting of all 20 Heads of the departments of Santosh Medical College & Hospital. The Curriculum Committee as constituted consisting of five members, is being trained by the MCI Regional Centre, Maulana Azad Medical College, Delhi. These five members of Curriculum Committee will train the faculty of Santosh Medical College & Hospital to ensure the implementation of the Curriculum of MBBS Course from August Session 2019 onwards.

After detailed consideration the members of Academic Council **approved** as under:-

"the **competency based undergraduate curriculum / syllabus [MBBS] as approved by the BOG / MCI** vide their Notification dated December 2018 may be implemented at Santosh Medical College & Hospital **from August 2019** [i.e. MBBS batch admitted in first year] and the Batches admitted and studying currently in MBBS shall continue with existing curriculum.

ITEM: 04

TO CONSIDER THE SYLLABUS FOR INTRODUCTION OF NEW PROGRAMME MD- DERMATOLOGY, VENEREOLOGY AND LEPROSY AT SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI IN ANTICIPATION OF THE GRANT OF APPROVAL OF MCI/BoG

The Members of the Academic Council considered the Syllabus for Introduction of New Programme MD- Dermatology, Venereology and Leprosy at Santosh Medical College & Hospital, Ghaziabad, NCR Delhi from the academic year 2020-21 onwards and the same was **recommended / approved** as under: -

- "1. To start Post Graduate Programme in MD- Dermatology, Venereology and Leprosy with **5 (five) seats** in the department of Dermatology,



Venereology and Leprosy at Santosh Medical College & Hospital, Ghaziabad, NCR Delhi from the Academic Year 2020-21 onwards under Santosh Deemed to be University subject to grant of permission by the Board of Governors in Supersession of Medical Council of India, New Delhi U/S 10[A] of IMC Act, 1956 [102 of 1956].

2. The Syllabus of **M.D. Dermatology, Venerology & Leprosy** was considered and **Approved as per the MCI's Guidelines for the said programme."**

The Meeting came to an end with a vote of thanks to the Chair.

[Dr. V. P. Gupta]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad

[Dr. Yogesh Tripathi]
Officiating Vice Chancellor
Santosh Deemed to be University,
Ghaziabad



ATTENDANCE OF 34th MEETING OF THE ACADEMIC COUNCIL HELD
ON 29.03.2019 AT 02:30 PM.

Dr. Yogesh Tripathi,
 Officiating Vice-Chancellor, Santosh Deemed
 to be University, Ghaziabad – 201 009.

Dr. Gajendra Kumar Gupta,
 Dean, Santosh Medical College & Hospital,
 Ghaziabad – 201 009.

Dr. S.V. Singh
 Dean & HOD of Prosthodontics, Santosh
 Dental College & Hospital, Ghaziabad.

4. Dr. Nisha V Kaul
 Professor & HOD of Anatomy, SMC.

5. Dr. Rinku Gupta
 Professor & HOD of Physiology, SMCH.

6. Dr. Tapan Kumar Mahapatra,
 Professor & HOD of Biochemistry, SMC

7. Dr. Subir Kumar Mitra
 Professor & HOD of Pathology, SMCH.

8. Dr. Dakshina Bisht
 Professor & HOD of Microbiology, SMC

9. Dr. V.S. Chopra
 Professor & HOD of Pharmacology, SMC

10. Dr. V.K. Chhoker
 Professor & HOD of Forensic Medicine
 SMC&H,GZB

11. Dr. Deepika Agarwal
 Professor & HOD of Community Medicine, SMC

12. Dr. Sarita Agarwal
 Professor & HOD of Ophthalmology, SMCH.

13. Dr. Vandana,
 Professor & HOD of E.N.T., SMCH.

14. Dr. Ashok Kumar
 Professor & HOD of Medicine, SMCH.

Chairperson

Member

Member

Member

Member

Member

Member

Member

Member

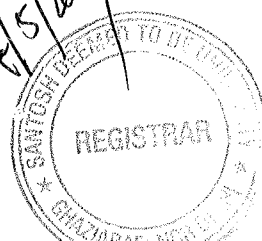
Member

Member

Member

Member

Member



15. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMCH.
16. Dr. Alpana Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H.
17. Dr. Alka Agarwal
Professor & HOD of Paediatrics, SMCH.
18. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMCH.
19. Dr. Ashok Kumar
Professor & HOD of Orthopaedics, SMCH.
20. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMCH.
21. Dr. Vijay Kumar Garg
Professor & HOD of Dermatology &
Venereology & Leprosy, SMCH.
22. Dr. Sonisha Gupta
Professor & HOD of TB & Chest
23. Dr. Pradeep Kumar Gupta
Professor & HOD of Radio-diagnosis, SMCH.
24. Dr. Binita Srivastava
Professor & HOD of Paediatric & Preventive
Dentistry, SDCH.
25. Dr. Shweta Bali
Professor & HOD of Periodontics, SDCH
26. Dr. Dildeep Bali,
Professor & HOD of Conservative Dentistry,
SDC
27. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC
28. Dr. Seema Sharma
Professor & HOD of Oral Pathology, SDCH

for Dr. Shalabh Gupta
Member *[Signature]*

Member *[Signature]*

Member *[Signature]*
29/3/19

Member *[Signature]*
Rashmi Sharma 29/3/19

Member *[Signature]*

Member *[Signature]*
V. Kumar

Member *[Signature]*
29/3/19

Member

Member *[Signature]*
29/3/19

Member *[Signature]*
29/3/19

Member

Member *[Signature]*
29/3/19

Member *[Signature]*
29/3/19

29. Dr. Archana Agarwal
Professor & HOD of Public Health Dentistry,
SDCH.

Member

A Aggarwal

30. Dr. Sonia Chawla
HOD of Oral Maxillofacial Surgery, SDCH.

Member

31. Dr. Manish Gupta,
HOD of Oral Medicine Diagnosis & Radiology,
SDCH

Member

Manish

32. Dr. Tripta S. Bhagat
MS & Professor of Surgery, SMCH.

Member

Tripta

33. Dr. Veenu Agarwal
Professor of Paediatrics, SMCH.

Member

Veenu
29/3/19

34. Dr. Jyoti Batra,
Professor of Biochemistry

Member

Jyoti

35. Dr. Pradeep Kumar
Professor of Biochemistry, SMCH.

Member

Pradeep

36. Dr. Neelima Agarwal
Professor of Obst. & Gynae., SMC&H.

Member

Neelima
29/3/19

37. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC

Member

Manisha

38. Dr. Yogesh Yadav
Professor of Anatomy, SMCH

Member

Yogesh
29/03/19

39. Dr. Deepa Verma
Professor of Orthodontics, SDCH.

Member

Deepa
29/3/19

40. Dr. Vijaya Dhar
Professor of Conservative Dentistry, SDCH

Member

Vijaya
29.03.19

41. Dr. Amita Singla
Professor of Prosthodontics, SDCH

Member

Amita Singla
29/3/19

42. Dr. Juhi Agarwal
Associate Professor of Biochemistry, SMCH.

Member

Juhi

43. Dr. Kavitha Dhar

Member

Kavitha
29/03/2019



Associate Professor of Pharmacology, SMCH.

44. Dr. Rohit Kumar Singh,
Assistant professor, Dept. of Dermatology,
Venereology & Leprosy, SMC

Member

45. Dr. Atish Anand,
Asst. Professor of Community Medicine,
SMCH.

Member

46. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology &
Metabolism, AIIMS, Ansari Nagar,
New Delhi

Member

47. Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi

Member

48. Dr. Bal Krishnan,
Director Professor of Physiology
Maulana Azad Medical College
New Delhi

Member

49. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi

Member

50. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi

Member

51. Sh. R. Selvakumar
H-21, Santosh Nagar,
Ghaziabad, NCR Delhi

Member

52. Sh. K. Chitharthan
H-11, Santosh Nagar,
Ghaziabad, NCR Delhi

Member

53. Dr. V. P. Gupta
Registrar, Santosh Deemed to be University

29-3-19
Ex-Officio Secretary

ATTENDANCE OF 30th MEETING OF THE ACADEMIC COUNCIL HELD ON 21/02.2018 AT 02:30 PM.

1. Dr.Yogesh Tripathi, MBBS,
Officiating Vice-Chancellor, Santosh University,
Ghaziabad - 201 009.
2. Dr.Yogesh Tripathi, MBBS,
Officiating Vice-Chancellor & Director Principal
3. Dr. Manoj Goyal,
Dean, Santosh Dental College & Hospital,
Ghaziabad - 201 009.
4. Dr. Vishram Singh
Professor & HOD of Anatomy, SMC.
5. Dr. Tapan Kumar Mahapatra,
Professor & HoD of Biochemistry, SMC
6. Dr. Pratima Verma,
Professor & HoD of Pathology, SMC
7. Dr. Dakshina Bisht
Professor & HOD of Microbiology, SMC
8. Dr. V.S. Chopra
Professor & HOD of Pharmacology, SMC
9. Dr. V.K. Chhoker
Professor & HOD of Forensic Medicine
SMC&H,GZB
10. Dr. R.K. Arya
Professor & HOD of Community Medicine, SMC
11. Dr. Anshu Sharma
Professor & HOD of Ophthalmology, SMCH.
12. Dr. O.N.Sinha,
Professor & HOD of E.N.T., SMCH.
13. Dr. M.K. Bhatnagar
Professor & HOD of Medicine, SMCH.
14. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMCH.
15. Dr. Alpana Agarwal,
Professor & HOD of Obstetrics & Gynaecology, SMC&H.
16. Dr. Alka Agarwal
Professor & HOD of Paediatrics, SMCH.
17. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMCH.

Chairperson

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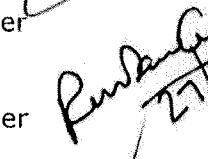

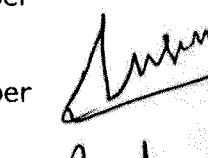
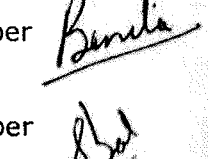
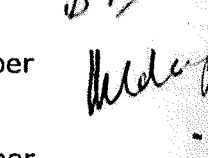
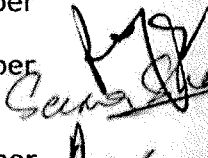
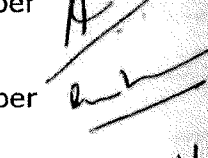
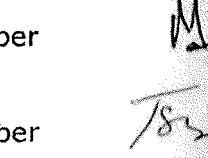
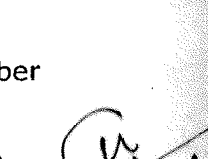
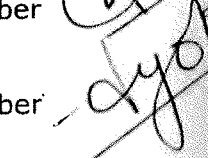
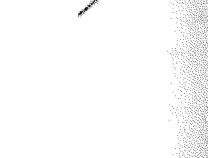
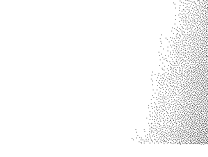

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| 18. | Dr. Ashok Kumar
Professor & HOD of Orthopaedics, SMCH. | Member |
| 19. | Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMCH. | Member |
| 20. | Dr. Sughana
Dermatology, SMCH. x | Member |
| 21. | Dr. Rinku Garg
Professor & HOD of Physiology, SMCH. | Member |
| 22. | Dr. Sonisha Gupta
HOD of TB & Chest | Member |
| 23. | Dr. Pradeep Gupta
Professor & HOD of Radio-diagnosis, SMCH. | Member |
| 24. | Dr. S.V. Singh
Professor & HOD of Prosthodontics, SDCH. | Member |
| 25. | Dr. Binita Srivastava
Professor & HOD of Paediatric & Preventive Dentistry,
SDCH. | Member |
| 26. | Dr. Shweta Bali
Professor & HOD of Periodontics, SDCH. | Member |
| 27. | Dr. Dildeep Bali,
Professor & HOD of Conservative Dentistry, SDC | Member |
| 28. | Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC | Member |
| 29. | Dr. Seema Sharma
Professor & HOD of Oral Pathology, SDCH | Member |
| 30. | Dr. Archana Agarwal
Professor & HOD of Public Health Dentistry, SDCH. | Member |
| 31. | Dr. Sonia Chawla
HOD of Oral Maxillofacial Surgery, SDCH. | Member |
| 32. | Dr. Manish Gupta,
HOD of Oral Medicine Diagnosis & Radiology, SDCH | Member |
| 33. | Dr. Tripta S. Bhagat
Professor of Surgery, SMCH | Member |
| 34. | Dr. Amita Sharma
Professor of Obstetrics & Gynaecology, SMCH. | Member |
| 35. | Dr. Veenu Agarwal
Professor of Paediatrics, SMCH. | Member |
| 36. | Dr. Jyoti Batra,
Professor of Biochemistry | Member |

37. Dr. Pradeep Kumar
Professor of Biochemistry, SMCH.
38. Dr. Nisha V. Kaul
Professor of Anatomy, SMCH.
39. Dr. Gajendra Kumar Gupta
Professor of Community Medicine
40. Dr. Deepa Verma
Professor of Orthodontics, SDCH.
41. Dr. Subir Kumar Mitra
Professor of Pathology, SMC &H
42. Dr. Manisha Gupta
Professor of OBG, SMC&H.
43. Dr. Sarita Agarwal
Professor of Ophthalmology, SMCH.
44. Dr. Seema Goel
Associate Professor of Pathology, SMCH.
45. Dr. Geeta Sharma
Reader of Oral Pathology, SDCH.
46. Dr. Atish Anand,
Asst. Professor of Community Medicine, SMCH.
47. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar, New Delhi
48. Dr. Pradeep Venkatesh,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi
49. Dr. Deepak Raghav
HOD of Physiotherapy,
Santosh Paramedical/ Allied Health Sciences College.
50. Dr. Parul Rathore
Assistant Professor of Physiotherapy, Santosh
Paramedical/ Allied Health Sciences College.
51. Dr. R. K. Sharma
Controller of Examination, Santosh University
52. Sh. V. Sampath
Secretary to Registrar
53. Sh. D. Kannan
PS to Dean, Santosh Dental College
54. Dr. V. P. Gupta
Registrar, Santosh University

Member

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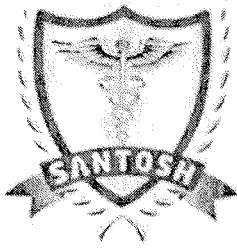
Member

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Member Secretary





SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

MINUTES OF THE 37th ACADEMIC COUNCIL HELD ON 07.03.2020
AT 12.NOON IN THE MAHARAJA HALL, SANTOSH MEDICAL
COLLEGE, GHAZIABAD, NCR DELHI.

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat, welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

Item: 1

CONFIRMATION OF THE MINUTES OF 36th MEETING OF THE
ACADEMIC COUNCIL HELD ON 31.10.2019 AT 03.00 PM.

The Minutes of 36th meeting of the Academic Council held on 31.10.2019 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes **were confirmed**.

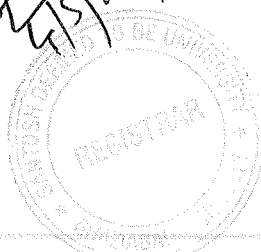
Item: 2

ACTION TAKEN ON THE MINUTES OF 36th MEETING OF THE
ACADEMIC COUNCIL HELD ON 31.10.2019 AT 03.00 PM.

The Action Taken on the Minutes of 36th meeting of the Academic Council held on 31.10.2019 at 3.00 PM **were noted** by the Members of the Academic Council.

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE
45th MEETING OF THE BOARD OF STUDIES HELD ON
04.03.2020 AT 3:00 PM



B. TO CONSIDER TO START A FELLOWSHIP PROGRAM IN EMERGENCY MEDICINE (FPEM) IN THE DEPARTMENT OF MEDICINE, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI

The members of the Academic Council considered the proposal to start a **Fellowship Program in Emergency Medicine (FPEM)** in the Department of Medicine considered in detailed and **granted ex-post-facto recommendations / approved the same as under:-**

1. Name of the Course

Fellowship Program in Emergency Medicine (FPEM)

2. Duration of the Course

6 Months

3. Eligibility Criteria

2 year full time post MBBS clinical experience. Preference accorded to students with ICU/Emergency experience.

4. Intake

5 students per session

5. Course Schedule

Sessions: January and July

6. Course Fees

Rs.35000 + Rs.5000 one time lifetime registration from Society of Critical Care and Emergency Medicine

7. Course Methodology

Regular training in ER, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets [Weekly 5 Hours duration classes].

Note:

- a. Certificate will be issued by the Santosh Deemed to be University and SCCEM (Society of Critical Care and Emergency Medicine) after clearance of written final exam and skill stations.
- b. Course Director: Dr. Manish Sabharwal
- c. Faculty of the Santosh Medical College & Hospital, Ghaziabad, NCR Delhi.

8. Course Syllabus

- Introduction, Concept and implementation of Triage, Organization of ED and legal aspects of Emergency Medicine
- Adult and Paediatric Cardiopulmonary resuscitation
- ECG Interpretation
- Management of Arrhythmias and Cardiac Emergencies
- Primer on Arterial Blood Gases
- Management of Electrolyte disorders
- Airway Management and basics of Mechanical Ventilation

- MBBS students from Phase 2 onwards
 - Post graduates perusing MD Pulmonary Medicine and MD Medicine
6. **Course Director:** Dr. Sonisha Gupta
7. **Course description-**
- Online registration
 - Total 20 hours of e- learning content & hands on training
 - **online Video lectures**
 - Learn from experienced Faculty of Santosh Medical College
 - **Guest faculty from Delhi Government** Medical colleges
 - Downloadable resources
 - Weekly online assessments (25% marks will be added in theory exam marks)
8. **Practical training** on normal individual & in patients in hospital
- A written Multiple choice question paper at the end of session **in Hospital**
 - Certificate issued on successful completion of course (**pass marks above 60%**)

D. AS PER DIRECTIONS OF THE UGC VIDE THEIR DO LETTER NO.F.1-1/2018 (JOURNAL / CARE) DATED DECEMBER 2019 TWO CREDIT COURSE FOR AWARENESS ABOUT PUBLICATION ETHICS AND PUBLICATION MISCONDUCTS ENTITLED "RESEARCH AND PUBLICATION ETHICS (RPE)" TO BE MADE COMPULSORY FOR ALL PH.D. STUDENTS FOR PRE-REGISTRATION COURSE WORK.

The Members of the Academic Council **noted** the UGC directions vide their letter dated December 2019 and decided to implement the same at Santosh Deemed to be University, Ghaziabad, NCR Delhi from September 2020 Session onwards for Ph.D. Students which are as under:-

"To include Two Credit Course for awareness about publication ethics and publication misconducts entitled "Research and Publication Ethics (RPE)". This will be implemented from September Session 2020 onwards for Ph.D. Students and the details thereof is as under:-

Course Title:

- **Research and Publication Ethics (RPE)** Course for awareness about the publication ethics and publication misconducts

I. GRANT OF PERMISSION TO START A VALUE ADDED CERTIFICATE COURSE IN PHLEBOTOMIST TRAINING COURSE IN THE DEPARTMENT OF BIOCHEMISTRY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI

The members of the Academic Council considered the proposal to start a Value Certificate Course in **Phlebotomist Training Course** in the Department of **Biochemistry** considered in detailed and **recommended / approved the same as under:-**

1. **Name of the Course:** Phlebotomist Training Course

2. **Duration of the Course:**

- conducted for 3 days: 7 hours/day for 3 days
- -The course shall be conducted twice a year.

3. **Number of students** – 35

4. **Course fee-** Rs 1000/- per student

5. **Eligibility :**

All MBBS & BDS final year students, MBBS & BDS interns, paramedical staff i.e. nursing staff & associated technicians.

6. **Course Director:** Dr. Juhi Aggarwal

7. **Course description-**

1. Online video lectures.
2. Learn from experienced faculty of Santosh Medical College.
3. Guest faculty from NABL accredited laboratory.
4. Extensive training on biomedical waste management.
5. Certification- passing in the written MCQ & practical exam at the end of the session.
6. 65% pass marks required to issue certificate on completion of the course.

J. GRANT OF PERMISSION TO START A FELLOWSHIP PROGRAM IN LINGUAL ORTHODONTICS AND MICROIMPLANTS IN THE DEPARTMENT OF ORTHODONTICS, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI

The members of the Academic Council considered the proposal to start a **Fellowship Program in Lingual Orthodontics and Microimplants** in the Department of **Orthodontics** and **granted ex-post-facto recommendations / approved the same as under:-**

1. **Name of the Course**

Fellowship in lingual Orthodontics and Microimplants

2. **Duration of the Course**

12 months

- Indication of micro implants and placement of micro implants
- follow up
- HANDS ON : Detail lingual laboratory procedure for bracket placement by three methods, simplified technique, best system with TAD & BPD HIRO system, arch wire bending exercise, individual arch wire bending exercise, individual lingual arch form template making, tooth movement on lingual typhodont.
- TAADS: Armamentarium, Surgical technique & Procedure.
- CLINICAL DEMONSTRATION: Live indirect lingual bonding/ rebonding, placement of mini implants on palatal side.

It was also decided that conducting such **programmes** may be Notified on the Institutional / University website.

K. TO REVIEW REPORT OF INTERNAL QUALITY ASSURANCE CELL (IQAC) HELD ON 11.12.2019 & 17.02.2020

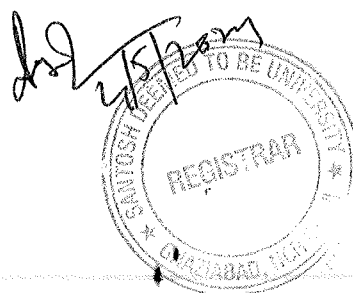
The Members of the Academic Council noted that the meetings of the IQAC were held on 11.12.2019 & 17.02.2020. The Members of the Academic Council **considered the same and recommended** as under:

"The minutes of Internal Quality Assurance Cell for the years 2019-20 i.e. 11.12.2019 & 17.02.2020 as submitted by the Members of the Internal Quality Assurance Cell were examined by the members of the Board of Studies and finally recommended that the suggestions as observed by the IQAC during their two meetings, may be implemented. The suggestions of the IQAC meetings were as under:-

IQAC meeting 11.12.2019

"The Committee strongly suggested that the MEU curriculum committee members should plan and execute training program for the faculty development for Medical and also suggested to conduct similar program for the Dental Faculty members.

The Committee members went through and discussed every aspect of the AQAR at length and showed its commitment and dedication to get the task completed before the deadline of 31st December 2019 for the submission of the AQAR 2018-19.



Solar Energy conversation process was planned and its execution is awaited. It was also suggested that sensor based energy systems like Automatic on / off lights shall be installed in the toilets and automatic sensors for street lights within the campus shall be looked into. The University can also look into acquiring battery operated Vehicle / Electric / Hybrid to be procured

It was brought to notice by the Dean Research that an Incubation centre needs to be created in the University. Private Agencies who are dealing with setting up such incubation centers shall be contacted and shall be brought for addressing the faculty members and University may register with e-yuva center – EYC, e-yuva center – BIRAC a government initiative.

L. Any other Item of BOS:-

There were some suggestions were suggested by the members of the Academic Council viz.

1. Creation of Biostatistics unit
2. Stem Cells Committee
3. To Constitute a Committee for Brain Death

It was decided that a detailed proposals be submitted by the Dean, Research for constitution of Stem Cell Committee and creation of Brain Death. Similarly, it was also decided that the Medical Superintendent may submit the detailed about the Committee for Brain Death as it is being followed in other hospitals (Government and Private Hospitals), so that further action may be taken accordingly.

The Meeting then came to an end with a vote of thanks to the Chair.

Sd/-
[Dr. V. P. Gupta]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad

Sd/-
[Dr. Tripta S Bhagat]
Vice Chancellor
Santosh Deemed to be University,
Ghaziabad

ATTENDANCE OF 37TH MEETING OF THE ACADEMIC COUNCIL HELD
ON 06.03.2020 AT 3:00 PM.

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be
University, Ghaziabad - 201 009.
2. Dr. Gajendra Kumar Gupta,
Dean, Santosh Medical College & Hospital,
Ghaziabad - 201 009.
3. Dr. Akshay Bhargava
Dean & HOD of Prosthodontics, Santosh
Dental College & Hospital, Ghaziabad.
4. Dr. Alka Agarwal
Medical Superintendent &
Professor of Paediatrics, SMC
5. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMC.
6. Dr. Rinku Garg
Professor & HOD of Physiology, SMCH.
7. Dr. Juhi Agarwal,
Professor & HOD of Biochemistry, SMC
8. Dr. Subir Kumar Mitra
Professor & HOD of Pathology, SMCH.
9. Dr. Geeta Gupta
Professor & HOD of Microbiology, SMC
10. Dr. Prem Shankar Singh
Professor & HOD of Pharmacology, SMC
11. Dr. V.K. Chhoker
Professor & HOD of Forensic Medicine
SMC&H, GZB
12. Dr. Deepika Agarwal
Professor & HOD of Community Medicine,
SMC

Chairperson

Member

Member

Member

Member

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Member



13. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMCH.
14. Dr. Vandana,
Professor & HOD of E.N.T., SMCH.
15. Dr. Ashok Kumar
Professor & HOD of Medicine, SMCH.
16. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMCH.
17. Dr. Neelima Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H.
18. Dr. Veenu Agarwal
Professor & HOD of Paediatrics, SMCH.
19. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMCH.
20. Dr. Ashok Kumar
Professor & HOD of Orthopaedics, SMCH.
21. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMCH.
22. Dr. V.K. Garg
HOD of Dermatology & Venereology &
Leprosy, SMCH.
23. Dr. Sonisha Gupta
Professor & HOD of TB & Chest
24. Dr. Pradeep Kumar Gupta
Professor & HOD of Radio-diagnosis, SMCH.
25. Dr. Binita Srivastava
Professor & HOD of Paediatric & Preventive
Dentistry, SDCH.
26. Dr. Shweta Bali
Professor & HOD of Periodontics, SDCH

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Sarita Agarwal

Vandana Singh

Ashok

Shalabh Gupta

6.3.2020

Neelima

6.3.2020

Veenu

6/3/20

Rashmi Sharma

6/3/20

Ashok

A.K. Seth

V.K. Garg

Sonisha

Binita

6/3/2020

Shweta Bali

27. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC
28. Dr. Seema Sharma
Professor & HOD of Oral Pathology, SDCH
29. Dr. Archana Agarwal
Professor & HOD of Public Health Dentistry,
SDCH.
30. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial
Surgery, SDCH.
31. Dr. ~~Sonia Chowla~~ Mayank Singhal ✓
~~HOD of Oral Maxillofacial Surgery, SDCH.~~
32. Dr. Manish Gupta,
HOD of Oral Medicine Diagnosis & Radiology,
SDCH
33. Dr. Dakshina Bisht
Professor of Microbiology, SMCH.
34. Dr. Jyoti Batra,
Professor of Biochemistry
35. Dr. Pradeep Kumar
Professor of Biochemistry, SMCH.
36. Dr. Malay Bajpai
Professor of Pathology, SMCH.
37. Dr. Alpana Agarwal
Professor of Obst. & Gynae., SMC&H.
38. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC
39. Dr. Yogesh Yadav
Professor of Anatomy, SMCH
40. Dr. Shivani Bansal
Professor of Medicine, SMC&H

Copy:
Member

Member Seema Sharma

Member A. Agarwal
06/03/2020

Member

Member Mayank Singhal

Member Manish Gupta

Member Dakshina Bisht
6/3/2020

Member Jyoti Batra
6/3/2020

Member Pradeep Kumar
06/3/2020

Member


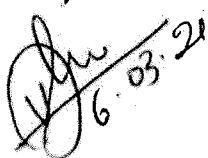
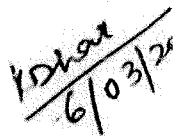

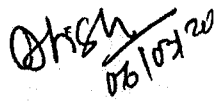

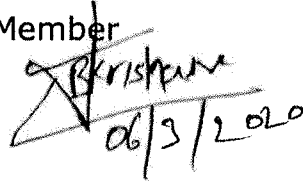
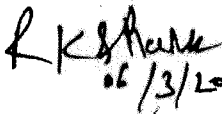

Member Alpana Agarwal
6/3/2020

Member Manisha Gupta
6/3/2020

Member Yogesh Yadav
6/3/2020

Member



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| 41. | Dr. Deepa Verma
Professor of Orthodontics, SDCH. | Member  |
| 42. | Dr. Vijaya Dhar
Professor of Conservative Dentistry, SDCH | Member  6.03.20 |
| 43. | Dr. Abhishek Sinha
Associate Professor of Physiology, SMCH. | Member |
| 44. | Dr. Kavita Bhagati
Associate Professor of Pharmacology, SMCH. | Member  6/03/20 |
| 45. | Dr. Jyotsna Sharma
Associate Professor of Pharmacology, SMCH. | Member |
| 46. | Dr. Apoorv Goel,
Asso. Professor, Dept. of Surgery, SMCH |  Member |
| 47. | Dr. Atish Anand,
Asst. Professor of Community Medicine,
SMCH. | Member  06/03/20 |
| 48. | Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology &
Metabolism, AIIMS, Ansari Nagar,
New Delhi | Member |
| 49. | Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi | Member  |
| 50. | Dr. Bal Krishnan,
Director Professor of Physiology
Maulana Azad Medical College
New Delhi | Member  06/3/2020 |
| 51. | Dr. R. K. Sharma
Controller of Examination
Santosh Deemed to be University | Member  06/3/20 |
| 52. | Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University | Member  6/3/2020 |

53. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi

[Signature]
Member

54. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi

Member *[Signature]*
06.03.2020

55. Sh. R. Selvakumar
H-21, Santosh Nagar,
Ghaziabad, NCR Delhi

Member *[Signature]*
06/03/2020

56. Sh. K. Chitharthan
H-11, Santosh Nagar,
Ghaziabad, NCR Delhi

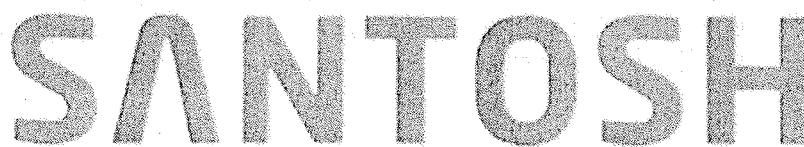
Member *[Signature]*

57. Dr. V. P. Gupta
Registrar, Santosh Deemed to be University

Ex-Officio Secretary
[Signature]
6-3-2020

[Signature]
21/5/2020





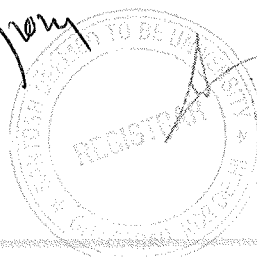
(Established u/s 3 of the UGC Act, 1956)

* * * * *

The following Agenda Items were taken up for discussion:

The Members of the Academic Council considered in detail the **recommendations / minutes** along with **AGENDA** of the Board of Studies held on 07.08.2020 at 3.00 PM and **approved** as under as :-

and approved



- N. **TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ENDO-UROLOGY (FIEU)" IN THE DEPARTMENT OF GENERAL SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.**


The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"ENDO-UROLOGY (FIEU)"** in the Department of Surgery and Oral Implantology and Head of the Department of **Surgery** and the same **Deferred for some clarifications.**

- O. **TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "CLINICAL PROCTOLOGY" IN THE DEPARTMENT OF SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.**

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start fellowship programme in **"CLINICAL PROCTOLOGY"** in the Department of Surgery and Head of the Department of **Surgery** and the same **Deferred for some clarifications.**

- P. **TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "MINIMALLY INVAISVE SURGERY (FMIS)" IN THE DEPARTMENT OF GENERAL SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.**

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **Fellowship Program in "MINIMALLY INVAISVE SURGERY (FMIS)"** in the Department of **Surgery** and **approved** the same as under:

1. **"Name of the Course**
Fellowship Program in **"MINIMALLY INVAISVE SURGERY (FMIS)"**
 2. **Duration of the Course**
One Year
 3. **Eligibility Criteria**
Post MS (General Surgery)
 4. **Intake**
2 students per year
 5. **Course Schedule**
August to August
 6. **Course Fees**
- 

Course Fee – 1,50,000 + GST
Exam Fee – 15000

7. Course Methodology

Admission to the course – All eligible candidates will appear for a MCQ based entrance test and interview. Selected Candidates will be given a time frame of 14 days to deposit fee and arrange accommodation etc.

Duty as a Fellow – Candidate will be allotted a surgery unit on rotation basis and will attend OPD, OT, perform emergency duties and surgeries. Minimum duty hours will be 48 hours apart from emergency call duties. Candidate will attend OPD, OT and Emergency at allied hospitals as a part of his/her duty. Candidate is supposed to do research in field of laparoscopic surgery and will publish atleast two research articles before course completion.

Stipend – A consolidated pay of 90000 per month will be given equivalent to Senior Resident as per University Guidelines.

Course Structure & Module – Complete Hands on experience under supervision as well as independent procedures, Video Lectures, Theory Classes, Endotrainer Sessions, Guest Lectures, CME's , Webinars etc.

Logbook – Candidate must maintain a logbook in a prescribe format which he/she has to submit before course completion.

Target – Candidate should perform at least 10 Laparoscopic Cholecystectomy, 10 Laparoscopic Appendicectomy, 5 Diagnostic Laparoscopy by the end of one year and should assist at least 5 cases each of Laparoscopic Hernia repair, Laparoscopic Colorectal and Upper GI Surgery.

Examination

Eligibility - Candidate should have performed the minimum no of basic laparoscopic procedures and assisted advance laparoscopic surgery as described. Logbook should be completed and duly attested by HOD. At least 2 publications (research article) in a journal of repute.

Examination Pattern - Part I : MCQ 100 marks
Part II : Practical 100 marks.
Minimum Passing Marks – 50%

'Examination pattern of practical exam will be same as Post Graduate final examinations along with dry laboratory skills'

Course Cancellation – Course fee is non-refundable. Fellowship course of the candidate can be cancelled by the University if at any point of time the candidate is found unsuitable for the course as per the norms laid down by the Santosh deemed to be University.



Note:

- a. Certificate will be issued by the Santosh Deemed to be University after successful completion of course and obtaining 50% marks in Exit Exam.
- b. **Name of Course Director & HOD (Surgery) :-** Prof. Dr. Shalabh Gupta

Course Co-Ordination – Dr. Amit Agarwal

8. Course Syllabus

- Equipment Setup and Troubleshooting
- Ergonomics and Operating Room Design
- Access to Abdomen and Pneumoperitoneum
- Laparoscopic Hemostasis: Energy Sources
- Laparoscopic Cholecystectomy
- Laparoscopic Cholecystectomy: Avoiding Complications
- Laparoscopic Common Bile Duct Exploration
- Laparoscopic Appendectomy
- Diagnostic Laparoscopy
- Endosuturing and Intracorporeal Knotting
- Laparoscopic Inguinal Hernia Repair: TEP & TAPP
- Laparoscopic Ventral Hernia Repair
- Laparoscopic Colon Resections
- Laparoscopic Rectal & Pelvic Surgeries
- Laparoscopy in Emergency
- Laparoscopy in Acute Abdomen
- Laparoscopic Splenectomy"

Q. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ELDERLY HEALTH CARE" IN THE DEPARTMENT OF COMMUNITY MEDICINE, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **Fellowship Program in Fellowship Program in "ELDERLY HEALTH CARE"** in the Department of **Community Medicine** and **approved** the same as under:

1. "Name of the Course

Fellowship Program in "ELDERLY HEALTH CARE"

2. Duration, of the Course

One Year

3. Eligibility Criteria

Post MD / DNB in Community Medicine or Family Medicine

4. Intake

2 students per year



5. Course Schedule

August to August

6. Course Fees

Course Fee – Rs. 1,00,000 + GST

Examination Fee – Rs.15,000/-

7. Name of Course Director: Dr. Deepika Agrawal

Course Coordinator:

Dr. Atish Anand

Course Faculty:

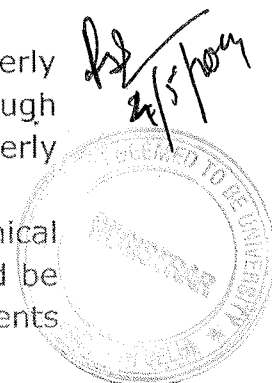
Dr. A Revanth Kumar

Dr. Anupama Singh

Mr. Ashish Gaur

7. Course Methodology

- a) **Admission to the Course:** all eligible candidates will appear for a MCQ based entrance test and interview. Selected candidates will be given a time frame of 14 days to deposit fee and arrange accommodation etc.
- b) **Duty as a Fellow:** candidate will be allotted a hospital duty for clinical posting in Departments of Medicine; Psychiatry; Pulmonary Medicine, Orthopedics and Dermatology for training in basic elderly care. He will also be posted in rural and urban health centre during this period, and will have to cover 1000 elderly population at both the places. Apart from this, he will be attached to an old age home for one month for devoted care of atleast five elderly people.
- c) **Stipend:** A consolidated pay of 70,000 per month will be given equivalent to SR. One year SR experience certificate will be provided as per MCI and University guideline.
- d) **Course Structure & Module:** Complete Hands on training related to elderly health, including theory with practical classes i.e. clinical posting related to elderly care. The training will include Modules for theory classes with clinical and practical posting, Video lecture, Guest lecture, CME's, Webinar etc., with Project submission on elderly health at the end of the course. He will also be required to publish atleast two research papers during his training
- e) **Log Book:** Candidates must maintain a log book in prescribed format which she/he has to submit before course completion.
- f) **Target:** Candidate should be able to prevent and treat elderly problems efficiently with full enthusiasm and confidence through clinical knowledge and psycho-social support to the elderly population.
- g) **Examination Eligibility:** Candidate should have theory and clinical examination with viva-voce on elderly patients. Log book should be completed and duly signed by HOD of all respective departments where he was posted. Project should be Submitted.



Examination Pattern: Pre + Post MCQ = 20 Marks with each module of theory and clinical Examination

Final MCQ Examination: Theory = 100 Marks
Practical = 100 Marks

Note:

Certificate will be issued by the Santosh Deemed to be University after successful completion of course and obtaining 50% marks in each Module, Mock test & Final Examination.

8. Course Syllabus

- Basic Elderly Health
- Clinical Elderly Care
- Basic Elderly Health (Practical)
- Clinical Elderly Care (Practical)"

R. TO CONSIDER THE REVISION OF CHOICE BASED CREDIT SYSTEM [CBCS] CURRICULUM FOR AWARD OF PH.D DEGREE.

The members of the Academic Council after consideration the **minutes/recommendations** of the **Board of Studies for Revision of Choice Based Credit System [CBCS] Curriculum for Award of Ph.D Degree and approved** the same as under:

(A). "Ph.D. Course-Work [1st Year]

The candidates registered for Ph. D degree are required to complete Ph.D. course-Work consisting of following three papers at the end of first year of registration. Paper I and Paper II are **compulsory papers** and candidate can select any one, from the pool of elective papers offered.

1) Paper I : Research Methodology, Biostatistics and Computer Basics

(8 Credits & 60 hours)

2) Paper II : Advanced Specialization in the subject area

(8 Credits & 60 hours)

3) Paper III : Elective Paper (4 credits & 60 hours)

Pool of Elective papers are as under:



ATTENDANCE OF 39th MEETING OF THE ACADEMIC COUNCIL HELD ON
07.08.2020 AT 3:00 PM.

T. S. Bhagat
Chairperson 7.8.20

[Signature]
Member 07.08.20

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be University,
Ghaziabad - 201 009.

2. Dr. Gajendra Kumar Gupta,
Dean, Santosh Medical College & Hospital,
Ghaziabad - 201 009.

Member
[Signature]
7.8.20

Member
[Signature]
7/8/20

Member
[Signature]
07/08/2020

Member
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7/8/2020

Member
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Member
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7.8.20

Member
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Member
[Signature]
7/8/2020

3. Dr. Akshay Bhargava
Dean & HOD of Prosthodontics, Santosh Dental College &
Hospital, Ghaziabad.

4. Dr. Alpana Agrawal
Medical Superintendent &
Professor of Obst. & Gynae., SMCH

5. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMCH.

6. Dr. Rinku Garg
Professor & HOD of Physiology, SMCH.

7. Dr. Juhi Agarwal
Professor & HOD of Biochemistry, SMCH

8. Dr. Malay Bajpai
Professor & HOD of Pathology, SMCH

9. Dr. Ashutosh Rawat
Professor & HOD of Microbiology, SMCH

10. Dr. Shaktibala Dutta
Professor & HOD of Pharmacology, SMCH

11. Dr. V.K. Chhoker
Professor & HOD of Forensic Medicine
SMC&H, GZB

12. Dr. Deepika Agarwal
Professor & HOD of Community Medicine, SMC

[Signature]

[Signature]
11/5/2021



13. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMCH.

Sarita Agarwal
Member

14. Dr. Vandana,
Professor & HOD of E.N.T., SMCH.

Vandana Singh
Member

15. Dr. Ashok Kumar
Professor & HOD of Medicine, SMCH.

Ashok Kumar
Member
21/8/20

16. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMCH.

Shalabh Gupta
7.8.20

Member

17. Dr. Neelima Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H.

Neelima Agarwal
Member
7.8.20

18. Dr. Alka Agarwal
Professor & HOD of Paediatrics, SMCH.

Alka Agarwal
7.8.2020

Member

19. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMCH.

Member

20. Dr. Amit Dwivedi
HOD of Orthopaedics, SMCH.

Amit Dwivedi
Member

21. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMCH.

Member

22. Dr. V.K. Garg
HOD of Dermatology & Venereology & Leprosy, SMCH.

Member

23. Dr. Sanjay Sahay
Professor & HOD of TB & Chest

Sanjay Sahay
Member

24. Dr. Ashish Kumar Shukla
HOD of Radio-diagnosis, SMCH.

Ashish Kumar Shukla
Member

25. Dr. S.V.Singh
Prof & HOD of Prosthodontics, SDCH.

S.V. Singh
Member

26. Dr. Binita Srivastava
Professor & HOD of Paediatric & Preventive Dentistry,
SDCH.

Binita Srivastava
Member

27. Dr. Shweta Bali
Professor & HOD of Periodontics, SDCH

Shweta Bali
Member

✓

28. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDCH

Member

29. Dr. Vijaya Dhar
Professor & HOD of Conservative Dentistry &
Endodontics

Member

30. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial Surgery

Member

31. Dr. Priyanka Bhushan
Reader & HOD of Public Health Dentistry, SDCH.

Member

32. Dr. Manish Gupta,
Reader & HOD of Oral Medicine Diagnosis & Radiology,
SDCH

Member

33. Dr. Dakshina Bisht
Professor of Microbiology, Director [IQAC]

Member

34. Dr. Jyoti Batra,
Professor of Biochemistry

Member

35. Dr. Pradeep Kumar
Professor of Biochemistry, SMCH.

Member

36. Dr. Geeta Gupta,
Professor of Microbiology, SMC

Member

37. Dr. Veenu Agarwal
Professor of Paediatrics, SMC&H.

Member

38. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC

Member

39. Dr. Yogesh Yadav
Professor of Anatomy, SMCH

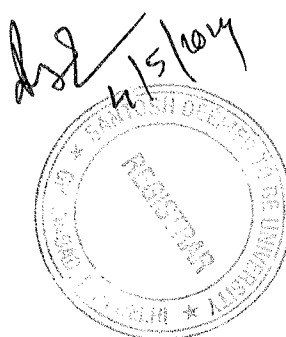
Member

40. Dr. Shivani Bansal
Professor of Medicine, SMC&H

Member

41. Dr. Deepa Verma
Professor of Orthodontics, SDCH.

Member



42. Dr. Abhishek Sinha
Associate Professor of Physiology, SMCH. Member *ASinha*
43. Dr. Kavita Bhagati
Associate Professor of Pharmacology, SMCH. Member *[Signature]*
44. Dr. Apoorv Goel,
Asso. Professor, Dept. of Surgery, SMCH Member *[Signature]*
45. Dr. Atish Anand,
Asst. Professor of Community Medicine, SMCH. Member *Atish*
46. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar,
New Delhi Member
47. Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
Ansari Nagar, New Delhi AIIMS, Member *[Signature]*
f k Sharma
48. Dr. R. K. Sharma
Controller of Examination
Santosh Deemed to be University Member
49. Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University Member *[Signature]*
7/8/2020
50. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi Member *[Signature]*
7/8/20
51. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi Member *Kannan*
07-08-20
52. Dr. V.P.Gupta
Registrar, Santosh Deemed to be University

Ex-Officio Secretary

7-8-2020

[Signature]



SANTOSH
Deemed to be University
(Established u/s 3 of the UGC Act, 1956)

**MINUTES OF THE 40th ACADEMIC COUNCIL HELD ON 09.10.2020 AT
3:00 IN THE MAHARAJA HALL, SANTOSH MEDICAL COLLEGE,
GHAZIABAD, NCR DELHI.**

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat, welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

Item: 1

**CONFIRMATION OF THE MINUTES OF 39th MEETING OF THE
ACADEMIC COUNCIL HELD ON 07.08.2020 AT 03.00 PM.**

The Minutes of 39th meeting of the Academic Council held on 07.08.2020 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes **were confirmed**.

Item: 2

**ACTION TAKEN ON THE MINUTES OF 39th MEETING OF THE
ACADEMIC COUNCIL HELD ON 07.08.2020 AT 03.00 PM.**

The Action Taken on the Minutes of 39th meeting of the Academic Council held on 07.08.2020 at 3.00 PM **were noted** by the Members of the Academic Council.

ITEM: 3

**TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 48th
MEETING OF THE BOARD OF STUDIES HELD ON 07.10.2020 AT
11:00 AM.**

The Members of the Academic Council considered in detail the **recommendations / minutes** along with **AGENDA** of the Board of Studies held on 07.10.2020 at 11.00 AM and **approved** as under as :-

hsg
4/5/2021

10 per students per batch

4. Eligibility Criteria

MDS Post Graduate Students.

Interns

BDS Under Graduate Students

4. Course Fee: INR 500 per student

5. Course Director:

Dr. Shweta Bali, Professor & Head, Department of
Periodontics and Oral implantology

6. Course Methodology

Lectures and Demonstrations

Hands on exercises on dummy

7. Course Syllabus

- Introduction to suturing
- Goals of suturing
- Suture materials
- Requisites of suture materials
- Classification
- Suture armamentarium
- Principles of suturing
- Suturing techniques
- Knots
- Suture removal & complications.
- Hands on exercises
- Demonstration of various suturing techniques

**(16) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON
"FELLOWSHIP PROGRAM IN FAMILY PLANNING PROGRAMME"
IN THE DEPARTMENT OF OBSTETRICS AND GYNECOLOGY,
SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR
DELHI.**

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"Family Planning Programme"** in the Department of **Obstetrics and Gynecology** and **approved** the same as under: -

1. Name of the Programme

"Fellowship Program in Family Planning Program"

2. Duration of the Programme

Six months

3. Course Director

Dr. Neelima Agarwal, Professor & Head of OBG

Dr. Manisha Gupta – Course Co-Ordinator

4. Eligibility Criteria

MBBS qualified



5. Intake

2 candidates per session

6. Course Schedule

Sessions: January to July

7. Course Fees

Rs.20,000/- per candidate

8. Course Methodology

- ✓ Regular training in OPD, IPD and OT, case discussions, seminars, Journal club and bedside teaching.

9. Course Syllabus

- Training in first and second trimester abortion
- Complex long-acting reversible contraception-removals and placements
- Experience at planned parenthood
- Family planning consultation

(17) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "TRANSFUSION MEDICINE" IN THE DEPARTMENT OF PATHOLOGY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "**Transfusion Medicine**" In the Department of **Pathology** and **approved** the same as under: -

1. Name of the Programme

Fellowship Program on "Transfusion Medicine"

2. Duration of the Programme

6 Months

3. Course Director

Dr. Mayurika Tyagi, Asst. Professor of Pathology

4. Eligibility Criteria

MD/ DNB in Pathology, MBBS with two years experience in Transfusion Medicine

5. Intake

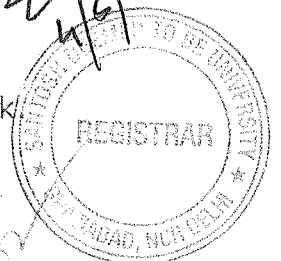
2 students per session

6. Course Schedule

Theory lectures and clinical posting /hands-on twice every week

7. Course Fees

Rs.30,000 per student.



8. Course Methodology

To train medical professionals with required qualification in the concerned specialty.

9. Course Syllabus

- Whole Blood Collection, In-house as well as voluntary blood donation camp, blood donor counseling, blood component separation, TTI (Transfusion transmitted Infection), testing of the collected blood units, Blood grouping and cross matching, therapeutic phlebotomy for the patients having high Hb, IAT (Indirect Antiglobulin Testing) and DAT (Direct Antiglobulin Testing).

(18) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "PEDIATRIC PULMONOLOGY" IN THE DEPARTMENT OF PAEDIATRICS, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "**Pediatric Pulmonology**" in the Department of **Paediatrics** and **approved** the same as under: -

1. Name of the Programme

Fellowship Program on "Pediatric Pulmonology"

2. Duration of the Programme

One Year

3. Eligibility Criteria

M.D Pediatrics Qualified

4. Intake

2 students per session

5. Course Schedule

Theory lectures and clinical posting /hands-on twice every week.

6. Course Fees

Rs.1,00,000 per candidate.

7. Course Director

Dr Mandeep Walia, Associate Professor, Department of Pediatrics

8. Course Methodology

Respiratory diseases constitute a significant burden of morbidity and mortality in India. The spectrum of childhood respiratory diseases in India has undergone considerable expansion over the past few decades. From a situation where infectious conditions of upper and lower respiratory tract predominated, there is currently a wide range of problems including congenital malformations, allergic conditions such as asthma & allergic rhinosinusitis, Tuberculosis & drug resistant TB, Bronchiectasis, genetic disorders like cystic fibrosis, primary ciliary disorders that are now recognized to be prevalent in the country in significant proportions.

A three-year postgraduate (MD) degree in pediatrics lends adequate exposure and skills to train a doctor in managing multitudes of pediatric diseases including respiratory. However, with a growing expanse in medical knowledge and recognition of many complex and chronic respiratory diseases that demand a more detailed and extensive clinical and investigative approach, which often is beyond the scope of postgraduation training

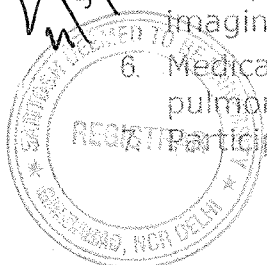
A super specialty program in the form of a fellowship training in pediatric pulmonology envisages to fulfil the felt need to build capacity in the country of specialists that have specialized training to recognize and provide a comprehensive care for children with complex, chronic respiratory morbidities

9. Course Syllabus

❖ SPECIFIC AIMS OF THE FELLOWSHIP PROGRAM

The Fellow must acquire an in-depth understanding of:

1. Normal lung growth, development and anatomy at both the macroscopic and microscopic level.
 2. Normal lung physiologic functions.
 3. Epidemiologic, clinical, and laboratory approach to the diagnosis of (congenital, and acquired, infective and non-infective disorders) pulmonary, airway and pulmonary vascular diseases of the pediatric age group.
 4. To perform and interpret clinically relevant pulmonary investigations: Spirometry, ABG, Flexible Bronchoscopy, FeNO, Sweat Chloride testing, Overnight Oximetry
 5. In-depth understanding and Interpretation of Diagnostic Lung and Airway Imaging: Xray Chest, Chest CT Scan, Lung Ultrasound.
 6. Medical and surgical therapeutic management and complications of the pulmonary disorders seen in the pediatric age group.
- Participation and conducting research in pediatric respiratory disorders.



• **ROTATION DUTY/ Duty TRAINING:** Fellows will be posted to the following areas for variable periods to acquire a comprehensive exposure to pediatric pulmonary disease diagnosis & management and achieve the various aims of the training program.

A. Outpatient Clinical Services

- a. Pediatric Chest Clinic at Santosh Medical College hospital, Ghaziabad.
- b. Child Development Clinic

B. Inpatient Clinical Services at Santosh Medical College hospital.

- a. Pediatric wards for inpatient pediatric pulmonology consultations.
- b. Pediatric Intensive care unit (PICU)
- c. Neonatal Intensive care unit (NICU)
- d. Pediatric Emergency unit

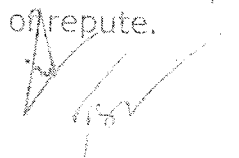
C. Laboratory & Diagnostic Services

- a. Pediatric Respiratory Laboratory- Spirometry, FeNO, sweat chloride test, overnight oximetry
- b. Pediatric Flexible Bronchoscopy Laboratory
- c. Pediatric Radiology Services

❖ **TEACHING ACTIVITIES-** Fellows will participate in both intradepartmental & interdepartmental teaching programs during the training period

1. Clinical case presentation
2. Seminars/focused reviews
3. Journal Club
4. Intradepartmental Clinical Grand Rounds
5. Mortality meetings
6. Pediatric Pulmonary Clinico- Radiology Meets
7. Attend atleast one National Pediatric Respiratory Conference. Encourage participation in regional pediatric pulmonary CMEs/conferences.
8. Collaborative clinical meetings with other Pediatric Pulmonology units of the country & abroad.

❖ **RESEARCH ACTIVITIES:** Fellows would be encouraged to undertake independent research projects in pediatric pulmonology and also actively associate with the ongoing research activities. He/she would be expected to publish the results of his/her research in journals of repute.



- FELLOWSHIP PROGRAM FACULTY**

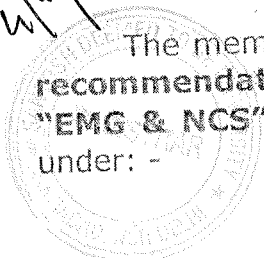
a. **Fellowship Director- Dr Mandeep Walia**, Associate Professor, Department of Pediatrics, Santosh Deemed to be University, Ghaziabad, Delhi-NCR.

b. **Dr Alka Aggrawal**, Professor & Head, Department of Pediatrics, Santosh Deemed to be University, Ghaziabad, Delhi-NCR. Dr Alka Aggrawal is also incharge of the Child Development Clinic at Santosh Hospital.

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❖ ❖ ❖ ❖ ❖ ❖ ❖

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "EMG & NCS" in the department of **Physiology** and **approved** the same as under: -



1. Name of the Course

Fellowship Program on "EMG & NCS,"

2. Duration of the Course

6 months

3. Eligibility Criteria

DM / DNB Neurology, DM/ DNB Paediatric Neurology, MD/ DNB in Psychiatry, MD/ DNB in Paediatrics

4. Intake

2 students per session

5. Course Schedule

Theory lectures and practical /hands-on twice every week.

6. Course Fees

Rs.10,000 per student face to face course.

Rs.5,000/- online

7. Course Director

Dr Rinku Garg, Professor & HOD, Department of Physiology

8. Course Methodology

To train a medical professional with a postgraduate qualification in the concerned specialty, Clinical Neurophysiology

9. Course Syllabus

Physiology of electrical potentials with special regards to bio-signals like EEG & NCS. Ability to perform recording of all of the signals from a human subject having expertise in setting up equipment and recording and analysis of signals.

(20) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ENDO-UROLOGY [FIEU]" IN THE DEPARTMENT OF SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"Endo-Urology [FIEU]"** in the Department of **Surgery** and **approved** the same as under: -

1. Name of the Programme

Fellowship Program on "Endo-Urology [FIEU]"

2. Duration of the Programme

One Year

3. Eligibility Criteria

Qualified M.S. / DNB General Surgery

4. Intake

1 student per year



9. Course Methodology & Syllabus

- Training is being conducted as per teaching / training schedule prepared by the supervisor/guide and subsequently approved by SHFCP.
- There is a defined process of training which includes:
- Hands on training by observing procedures and surgeries, case presentation during clinical meetings, observations, training through simulator and videos
- Clinical training is imparted through Clinical Meetings/ CMEs/ Departmental Meetings/ Symposiums and bed side case presentation. Fellows can join Journal club.
- Final Examination/ Evaluation

There is a defined process of final examination/evaluation. Final examination is being conducted at the end of the six months/ one year of fellowship program by one external examiner and one internal examiner. Clinical Fellows who have successfully completed their training and examination were conferred with certificate of Clinical Fellowship of SHFCP in the respective specialty.

(22) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ORAL IMPLANTOLOGY" IN THE DEPARTMENT OF PROSTHODONTICS & CROWN AND BRIDGE, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"ORAL IMPLANTOLOGY"** in the Department of **Prosthodontics & Crown and Bridge** and **approved** the same as under: -

1. Name of the Programme

Fellowship Program on "ORAL IMPLANTOLOGY"

2. Duration of the Programme

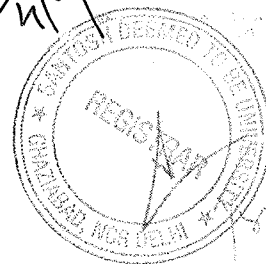
9 Months

3. Eligibility Criteria

Qualified BDS

4. Intake

5 Student per session



5. Course Schedule

November – July

6. Course Fees

Rs. 20,000/- per candidate

7. Course Director

Dr. Abhishek Nagpal, Professor of Prosthodontics

8. Course Methodology

Didactic lectures & demos for Clinical procedures & Hands-on Exercises & clinical cases

- Didactic, interactive lecture
 - Typhodont/jawmodel exercises
 - live surgeries & patient treatment under supervision
- 4 modules

1. Basic
2. Treatment plan
3. Surgical Phase
4. Prosthetic phase

9. Course Syllabus

During their curriculum, fellows will be trained to:

1. Diagnosis and treatment planning
2. Demonstrations

Implant supported & implant retained prosthesis

- i. Single tooth restorations (01 implants)
- ii. Implant supported overdenture (02 implants)
- iii. Impression procedures
- iv. Temporization procedures
- v. Final prosthesis

(23) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "PREVENTIVE AND INTERCEPTIVE PEDODONTICS" IN THE DEPARTMENT OF PAEDIATRICS & PREVENTIVE DENTISTRY, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI



The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "**Preventive and Interceptive Pedodontics**" in the Department of **Paediatrics & Preventive Dentistry** and **approved** the same as under: -

1. Name of the Programme

"Preventive and Interceptive Pedodontics"

2. Duration of the Programme

One Year

3. Eligibility Criteria

Qualified Bachelor of Dental Surgery (BDS)

4. Intake

5 Students per batch

5. Course Schedule

November

6. Course Fees

Rs.5,000/- per candidate

7. Course Director

Dr. Nidhi Gupta, Professor of Paediatrics & Preventive Dentistry

8. Course Methodology

- Interactive lecture
- Case Demonstration
- Typhodont and jaw model exercises

9. Course Syllabus

During their curriculum, fellows will be trained to:

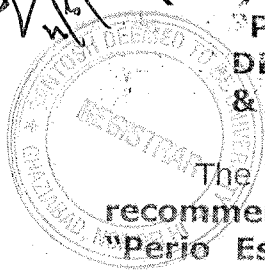
• Basics of Preventive and Interceptive Orthodontics

- i. Introduction
- ii. Definition
- iii. Space closure and its effects
- iv. Space maintenance and management
- v. Space maintainers

- Habits and its management
- Fabrication of space maintainers
- Fabrication of Habit breaking appliances

(24) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "PERIO ESTHETICS PINK FOR THE SAKE OF WHITE" IN THE DEPARTMENT OF PERIODONTOLOGY, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "**Perio Esthetics Pink for the Sake of White**" in the Department of **Periodontology** and **approved** the same as under: -



1. Name of the Programme

Fellowship Program on "Perio Esthetics Pink for the Sake of White"

2. Duration of the Programme

One Year

3. Eligibility Criteria

Bachelor of Dental Surgery [BDS]

4. Intake

8 Students per batch

5. Course Schedule

November

6. Course Fees

Rs. 5,000/- per student

7. Course Director

Dr. Shweta Bali, Professor & HOD of Periodontology

8. Course Methodology

Didactic and interactive lectures
Case demonstrations
Patient treatment

9. Course Syllabus

- Basics of perio aesthetics
- Depigmentation [Lasers, electrocautery, scalpel]
- Gingival enlargement treatment (Gingivectomy Gingivoplasty)
- Root coverage procedures. (treatment of gingival recession)
- Implant Aesthetics

The appearance of the gingiva; tissues surrounding the teeth plays an important role in overall aesthetics. The beautiful smile enhances the individual confidence. The harmony of smile is attributable to shape color and position of the tooth in conjunction with the gingival tissue. Also, plastic periodontal surgery has been a reliable tool to enhance aesthetics.

This comprehensive fellowship course is designed provide a wide ranging experience in aesthetics aspects of perio under the best expert guidance at Santosh deemed to be university.

AIMS ;

To enable the delegates, derive from their training knowledge and professional competence in the specified area.

OBJECTIVES;

To allow delegates for the in depth understanding of the content and offer opportunity to attend discussions, online lectures and demonstrations and thus advancing their knowledge and clinical experiences.

COURSE HIGHLIGHTS;

1. Depigmentation.
 - With lasers
 - Scalpel
 - Electrocautery
2. Gingivectomy
3. Root coverage procedures.
4. Crown lengthening
5. Implant Esthetics
6. Detailed interactive sessions on all clinical aspects
7. Demonstrations

COURSE STRUCTURE:

- 6 month intense fellowship program course divided over 3 modules.
- Each module will cover clinical and theoretical aspects.
- Interactive sessions, Seminars & Clinical cases will be provided and discussed. All Instruments & reading material will be discussed.
- Award of fellowship and Graduation ceremony.

COURSE CURRICULUM:

- The fellowship includes theoretical, clinical demonstrations as well as practical aspects of Perio esthetics- "pink the sake of white"
- Depigmentation- the course includes the details of depigmentation, introduction, historical aspects, etiology, classification of oral pigmentation, pigmented lesions of the oral mucosa various treatment modalities like lasers, scalpel, electrocautery in details and post op healing.
- Gingivectomy- it includes indications, contraindications, etiopathogenesis, treatment procedures and post op healing.
- Root coverage- it includes discussion on gingival recession, classification and its management, indications and procedure and post op healing of free gingival graft.
- Crown lengthening- it includes the etiology, indications, types and procedure of crown lengthening. Concept of 'Biologic Width'.
- Implant Aesthetics- it includes discussion on diagnosis and treatment planning of the implant site and also various methods to optimize the 'pink' component around the 'white'.
- Implant Aesthetics- it includes discussion on diagnosis and treatment planning of the implant site and also various methods to optimize the 'pink' component around the 'white'.



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(26) TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "CRITICAL CARE MEDICINE [CCM]" IN THE DEPARTMENT OF ANESTHESIA, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in "Critical Care Medicine [CCM]" in the **Department of Anesthesia** and approved as under: -

1. Name of the Programme

Fellowship Program on "Critical Care Medicine [CCM]"

2. Duration of the Programme

One Year [6 months Basics and Six months advanced]

3. Eligibility Criteria

One year Experience after MBBS

4. Intake

4 students

5. Course Schedule

January [Will be advertised on July session if no admissions during January session]

Candidates will be eligible to do take the advanced course only after completing Basic Course

6. Course Fees

Course Fee – 25,000/- per candidate for Basic course including Rs.5000/- SCCEM Registration Fee

Course Fee – 25,000/- per candidate for Advanced course including Rs.5000/- SCCEM Registration Fee

7. Course Director

Dr Anil Kumar

8. Course Methodology

Basics of critical care



Regular training in ICU, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets.

Certificate issued from Santosh University and

SCCEM (society of critical care and emergency medicine) & HSF (Healthcare Skills Foundation)

after clearance of written final exam and viva.

Visiting Faculty will be arranged and utilized as per course requirements.

Few training modules and workshop must to finish course, along with logbook and a small project.

Institutional Requirements:

Training room, CPR Mannequin – Adult & pediatric, Intubation Mannequin, AED, ECG rhythm simulator/Multi-Parameter Arrhythmia Simulator, IV training arms- Child, Adult, Trauma Modules, Large Display/Poster board, Marker Board, Audio visual aids, stationary and printing supplies.

(27) TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE ON "YOGA TECHNIQUE", IN THE DEPARTMENT OF BIOCHEMISTRY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a value-added certificate course in "**Yoga Technique**", in the Department of **Biochemistry** and **approved** as under:

1. Name of the Course

"Yoga Training"

2. Duration of the Course

16 Hours [Saturday – 1.00 P.M to 5.00 P.M]

4 batches per year

3. Number of Students: 30 per Batch

4. Eligibility Criteria

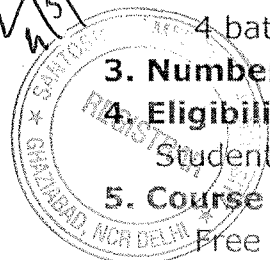
Students of MBBS and BDS

5. Course Fee:

Free Course

6. Course Director:

Dr. Preeti Sharma, Associate Professor of Biochemistry



7. Course Methodology & Syllabus

Splintage and plaster application is a v3ery common practice in emergency ward. Every doctor who is attending emergency care must learn this art. Dept of Orthopaedics has a variety of splints for both axial and appendicular skeleton. These can be used for training purposes. At the end of session, a practical exam will be conducted and Certificate will be issued stating that students attended session and learnt the art of Splintage and plaster technique on successful completion.

ANY OTHER ITEMS OF [BOS held on 07.10.2020]:-

It was informed by the Registrar that the various proposals for starting Value-Added Certificate Course and Fellowship Programme which are submitted by the faculty members of Santosh Medical College, Dental College and Santosh Hospitals are not in the prescribed format.

After detailed consideration the **minutes/recommendations of BOS**, the members of the Academic Council **Decided/Recommended** as under: -

i. The faculty members of the University are required to submit their request to start **Value-Added Certificate Course and Fellowship Programme** in the **prescribed format** as under: -

1. **Name of the Department**
2. **Name of the Course**
3. **Total Course Hours**
4. **Number of Students per batch**
5. **Number of batches per Year**
6. **Eligibility Criteria**
7. **Course Fee**
8. **Course Schedule for Fellowship Programme only**
9. **Name of the Course Director**
10. **Course Methodology & Syllabus**
11. **Any other information**

ii. Such proposals in the above **prescribed format** should be submitted to the Registrar. Such proposals should be **screened** by a Committee consisting of the following members prior submitting the same to the Board of Studies for consideration: -

- | | | |
|---|---|-------------|
| 1. Vice Chancellor | - | Chairperson |
| 2. Registrar | - | Member |
| 3. Dean of the concerned College [Medical/Dental] | - | Member |
| 4. Concerned Course Director | - | Member |
| 5. Director - IQAC | - | Convener |

The Meeting then came to an end with a vote of thanks to the Chair.

[Dr. V. P. Gupta]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad

[Dr. Tripta S Bhagat]
Vice Chancellor
Santosh Deemed to be University,
Ghaziabad

ATTENDANCE OF 40th MEETING OF THE ACADEMIC COUNCIL HELD ON
09.10.2020 AT 3:00 P.M

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be University
2. Dr. Gajendra Kumar Gupta,
Dean, SMC&H
3. Dr. Akshay Bhargava
Dean & Prof of Prosthodontics, SDC&H
4. Dr. Alpana Agrawal
Medical Superintendent &
Professor of Obst. & Gynae., SMC&H
5. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMC&H.
6. Dr. Rinku Garg
Professor & HOD of Physiology, SMC&H.
7. Dr. Juhi Agarwal
Professor & HOD of Biochemistry, SMC&H
8. Dr. Malay Bajpai
Professor & HOD of Pathology, SMC&H
9. Dr. Ashutosh Rawat
Professor & HOD of Microbiology, SMC&H
10. Dr. Shaktibala Dutta
Professor & HOD of Pharmacology, SMC&H
11. Dr. V.K. Chhoker
Professor & HOD of Forensic Medicine
SMC&H
13. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMC&H.
14. Dr. Vandana,
Professor & HOD of E.N.T., SMC&H.

Chairperson *T. S. Bhagat*
9.10.20

Member *Cus*
9.10.20

Member *AK*
9.10.20

Member *Alpana*
9.10.20

Member *Nisha*
9.10.20

Member *Rinku*
9.10.20

Member *Juhi*
9.10.20

Member *Malay*
9.10.20

Member *Ashutosh*
9.10.20

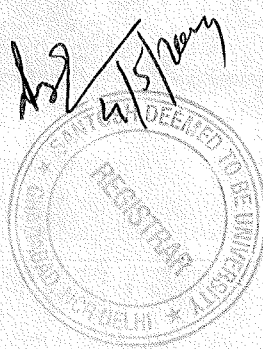
Member *Shakti*
9.10.20

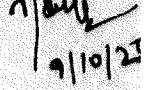
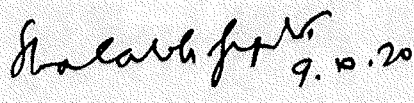
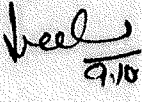
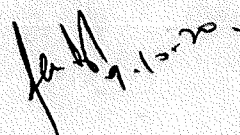

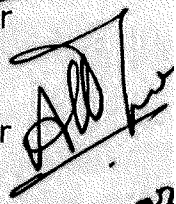
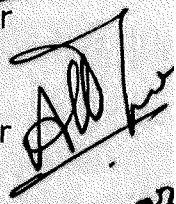



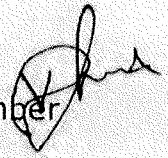
Member *SM*
9.10.20

Member

Member *Sarita Agarwal*

Member *Vandana Singh*



- | | |
|--|---|
| 15. Dr. Ashok Kumar
Professor & HOD of Medicine, SMC&H. | Member 
9/10/21 |
| 16. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMC&H. | Member 
9.10.20 |
| 17. Dr. Neelima Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H. | Member 
9.10 |
| 18. Dr. Alka Agarwal
Professor & HOD of Paediatrics, SMC&H. | Member 
9.10.20 |
| 19. Dr. Rashmi Sharma,
Professor & HOD of Anesthesia, SMC&H. | Member  |
| 20. Dr. Amit Dwivedi
HOD of Orthopaedics, SMC&H. | Member  |
| 21. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMC&H. | Member  |
| 22. Dr. V.K. Garg
HOD of Dermatology & Venereology & Leprosy,
SMC&H. | Member  |
| 23. Dr. Sanjay Sahay
Professor & HOD of TB & Chest | Member |
| 24. Dr. Ashish Kumar Shukla
HOD of Radio-diagnosis, SMC&H. | Member  |
| 25. Dr. S.V. Singh
Prof & HOD of Prosthodontics, SDC&H. | Member |
| 26. Dr. Shweta Bali
Professor & HOD of Periodontics, SDC&H | Member  |
| 27. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC&H | Member |
| 28. Dr. Vijaya Dhar
Professor & HOD of Conservative Dentistry &
Endodontics, SDC&H | Member  |

29. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial Surgery, SDC&H
30. Dr. Nidhi Gupta
Professor of Paediatrics & Preventive Dentistry, SDC&H
31. Dr. Priyanka Bhushan
Reader & HOD of Public Health Dentistry, SDC&H.
32. Dr. Manish Gupta,
Reader & HOD of Oral Medicine Diagnosis & Radiology,
SDC&H
33. Dr. Dakshina Bisht
Professor of Microbiology, Director [IQAC]
34. Dr. Jyoti Batra,
Professor of Biochemistry, SMC&H
35. Dr. Pradeep Kumar
Professor of Biochemistry, SMC&H.
36. Dr. Geeta Gupta,
Professor of Microbiology, SMC&H
37. Dr. Veenu Agarwal
Professor of Paediatrics, SMC&H.
38. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC&H
39. Dr. Yogesh Yadav
Professor of Anatomy, SMC&H
40. Dr. Shivani Bansal
Professor of Medicine, SMC&H
41. Dr. Deepa Verma
Professor of Orthodontics, SDC&H.
42. Dr. Abhishek Sinha
Associate Professor of Physiology, SMC&H.
43. Dr. Kavita Bhagati
Associate Professor of Pharmacology, SMC&H.


Member

Member Nidhi

Member Priyanka Bhushan

Member

Member DB
9/10/2020

Jyoti Batra
9/10/2020
Member

Member

Pradeep Kumar
9/10/2020
Member

Member Manisha

Member Shivani Bansal

Member Deepa Verma

Abhishek Sinha
4/10/2020



Member

Member

44. Dr. Apoorv Goel,
Asso. Professor, Dept. of Surgery, SMC&H
45. Dr. Atish Anand,
Asst. Professor of Community Medicine, SMC&H.
46. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar,
New Delhi
47. Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi
48. Dr. R. K. Sharma
Controller of Examination
Santosh Deemed to be University
49. Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University
50. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi
51. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi
52. Dr. V. P. Gupta
Registrar, Santosh Deemed to be University


Member


Member

Member

Member

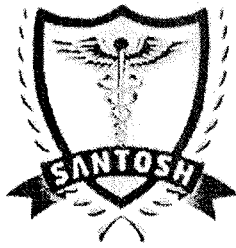

Member


Member


Member


Member


Ex-Officio Secretary



SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

MINUTES OF THE 42nd ACADEMIC COUNCIL HELD ON 24.02.2021 AT 3:00 PM IN THE MAHARAJA HALL, SANTOSH MEDICAL COLLEGE, GHAZIABAD, NCR DELHI.

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

ITEM: 1

CONFIRMATION OF THE MINUTES OF 41st MEETING OF THE ACADEMIC COUNCIL HELD ON 17.12.2020 AT 03.00 PM.

The Minutes of 41st meeting of the Academic Council held on 17.12.2020 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes were confirmed.

ITEM: 2

ACTION TAKEN ON THE MINUTES OF 41st MEETING OF THE ACADEMIC COUNCIL HELD ON 17.12.2020 AT 03.00 PM.

The Action Taken on the Minutes of 41st meeting of the Academic Council held on 17.12.2020 at 3.00 PM were noted by the Members of the Academic Council.

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 50th MEETING OF THE BOARD OF STUDIES HELD ON 22.02.2021 AT 3:00 PM.

The Members of the Academic Council considered in detail the recommendations / minutes along with AGENDA of the Board of Studies held on 22.02.2021 at 3.00 PM and approved as under as indicated against each:-



The Members of Academic Council **granted ex post facto approval** for the same as under: -

"Name of the Course :

Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)

1. Duration of the Course:

6 Months full time resident fellowship in critical care with remuneration.

2. Eligibility Criteria:

MD/DA Anesthesia, MD Medicine, MD pulmonology

3. Intake:

2 students per session

4. Course Schedule:

Sessions: January and July

5. Course Fees:

Rs.10000/- per student instead of Rs.30000/-

6. Course Director: Dr. Anil Kumar

7. Course Methodology

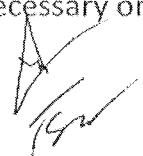
Regular training in ICU, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets. Weekly 4 hours duration classes.

Note:

- a. Certificate will be issued by the Santosh Deemed to be University and accredited by **SCCEM (society of critical care and emergency medicine)** after clearance of written final exam and viva.
- b. Faculty of the Santosh Medical College & Hospital, Ghaziabad, NCR Delhi will be arranged and utilized as per course requirements".

4) TO START A FELLOWSHIP PROGRAMME ON "CRITICAL CARE MEDICINE (FCCM)" POST MBBS IN THE DEPARTMENT OF ANESTHESIA, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL.'

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies for some **changes** to start a Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)" post MBBS qualification in the Department of Anesthesia and **noted** that the necessary orders



in this regard were issued on **06.02.2021** on usual terms and conditions.

The Members of Academic Council **granted ex post facto approval** for the same as under: -

1. "Name of the Course :

Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)

2. Duration of the Course:

One Year [6 Months Basics and Six Months advanced]

3. Eligibility Criteria:

One year Experience after MBBS

4. Intake:

4 students

5. Course Schedule:

January [Will be advertised on July session if no admissions during January session]

Candidates will be eligible to do take the advanced course only after completing Basic Course

6. Course Fees:

Course Fee-10,000/- Per Candidate for Basic Course and Rs.5000/- as SCCEM Registration Fee (**Instead of Rs.25,000/-**)

Course Fee-10,000/- Per Candidate for Advanced Course and Rs.5000/- as SCCEM Registration Fee (**Instead of Rs.25,000/-**)

7. Course Director: Dr. Anil Kumar

8. Course Methodology

Basics of Critical Care

Regular training in ICU, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets.

Note:

- a. Certificate will be issued by the Santosh Deemed to be University and accredited by **SCCEM (society of critical care and emergency medicine)** & HSF (Healthcare Skills Foundation) after clearance of written final exam and viva.



- b. Visiting Faculty will be arranged and utilized as per course requirements.
- c. Few training modules and workshop must to finish course, along with logbook and a small project.
- d. Institutional requirements:
Training room, CPR Mannequin-Adult & Paediatric, Incubation Mannequin, AED, ECG rhythm simulator/Multi-Parameter Arrhythmia Simulator, IV training arms-Child, Adult, Trauma Modules, Large Display/ Poster board, Marker Board, Audio visual aids, stationary and printing supplies."

5) TO CONSIDER THE REVISED GUIDELINES FOR ESTABLISHMENT OF INNOVATION, INCUBATION AND ENTERPRISE CENTRE AT SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL

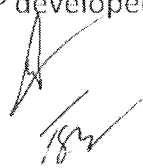
The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies to consider the Revised Guidelines for establishment of Innovation, Incubation and Enterprise Centre as submitted by the Dean-Research and **noted** that the necessary orders were issued in this regard on 30.01.2021.

The Members of Academic Council granted **ex post facto approval** for the same as under: -

**THE GUIDELINES FOR ESTABLISHMENT OF INNOVATION,
INCUBATION AND ENTERPRISE CENTRE – SANTOSH DEEMED TO
BE UNIVERSITY, GHAZIABAD, NCR DELHI.**

1. The purpose of establishing Incubation Centre is: -


- a. Faculty Members/Staff/Research Scholars/Students at Santosh Deemed to be University are continuously engaged in knowledge generation and dissemination. A large number of research activities are being carried out by them in several cutting-edge healthcare and medicine areas. However, many of these research outcomes do not get translated into commercial products or technologies, benefiting the society in general. For this purpose, Santosh Deemed to be University proposes to promote business incubation by encouraging entrepreneurship among the Faculty, Staff, Research Scholars, and Students by initiating the following activities: (i) incubation of companies by Santosh Deemed to be University with active support by its Faculty / Staff / Research Scholars / Students (ii) establishment of companies based in part or in full on technologies/IP developed by the

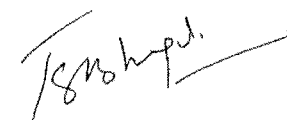


8) TO CONSIDER THE GUIDELINES, ROLES AND RESPONSIBILITIES OF STUDENTS WING OF UNESCO CHAIR IN BIO-ETHICS, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies to consider the **Guidelines, Roles and Responsibilities of Students Wing of UNESCO CHAIR in BIO-ETHICS, Santosh Deemed to be University, Ghaziabad, NCR Delhi** and deferred the same for some clarifications from the Research Department.

The Meeting then came to an end with a vote of thanks to the Chair.


[Dr. V. P. Gupta]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad


[Dr. Tripta S Bhagat]
Vice Chancellor
Santosh Deemed to be University,
Ghaziabad



ATTENDANCE OF 42nd MEETING OF THE ACADEMIC COUNCIL HELD ON

24.02.2021 AT 3:00 P.M

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be University

Chairperson

T. S. Bhagat
24.2.21

2. Dr. Alka Agrawal,
Dean, SMC&H

Member

Alka Agrawal
24/2/2021

3. Dr. Akshay Bhargava
Dean & Prof of Prosthodontics, SDC&H

Member

Akshay Bhargava

4. Dr. Alpana Agrawal
Medical Superintendent &
Professor of Obst. & Gynae., SMC&H

Member

Alpana Agrawal
24/2/21

5. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMC&H.

Member

Nisha V Kaul
24/2/21

6. Dr. Rinku Garg
Professor & HOD of Physiology, SMC&H.

Member

Rinku Garg
24/2

7. Dr. Juhi Agarwal
Professor & HOD of Biochemistry, SMC&H

Member

Juhi Agarwal
24/2/21

8. Dr. Malay Bajpai
Professor & HOD of Pathology, SMC&H

Member

Malay Bajpai
24/2/2021

9. Dr. Ashutosh Rawat
Professor & HOD of Microbiology, SMC&H

Member

Ashutosh Rawat
24/2/2021

10. Dr. Shaktibala Dutta
Professor & HOD of Pharmacology, SMC&H

Member

Shaktibala Dutta

11. Dr. Naveen Kumar M. Varma,
Professor & HOD of Forensic Medicine
SMC&H

Member

Naveen Kumar M. Varma
24.02.2021



12. Dr. Deepika Agarwal,
Professor & HOD of Community Medicine
SMC&H


Member

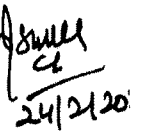
13. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMC&H.


Member

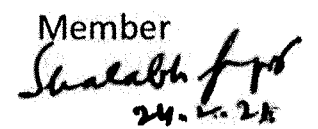
14. Dr. Vandana Singh,
Professor & HOD of E.N.T., SMC&H.


Member

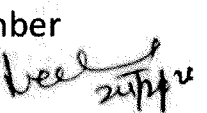
15. Dr. Ashok Kumar
Professor & HOD of Medicine, SMC&H.

Member 
24/2/20

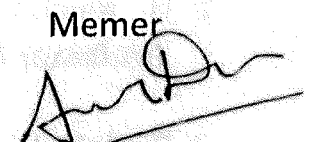
16. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMC&H.

Member

24.2.20

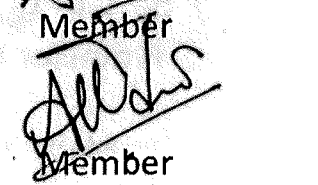
17. Dr. Neelima Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H.

Member

24/2/20

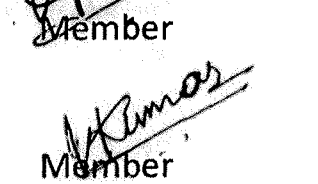
18. Dr. Suveer Sharma,
Professor & HOD of Anesthesia, SMC&H.

Member


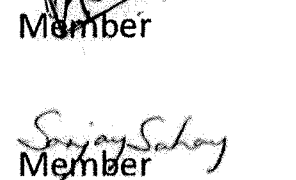
19. Dr. Amit Dwivedi
Department of Orthopaedics, SMC&H.

Member


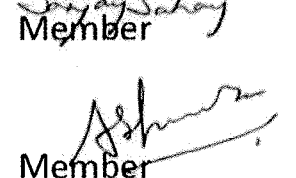
20. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMC&H.

Member


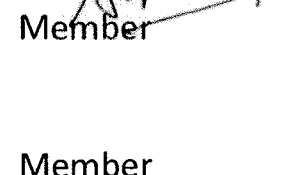
21. Dr. V.K. Garg
HOD of Dermatology & Venereology & Leprosy, SMC&H.

Member


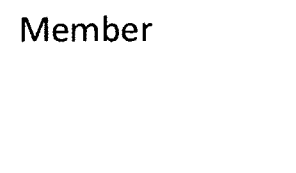
22. Dr. Sanjay Sahay
Professor & HOD of TB & Chest

Member


23. Dr. Ashish Kumar Shukla
HOD of Radio-diagnosis, SMC&H.

Member


24. Dr. S.V.Singh
Prof & HOD of Prosthodontics, SDC&H.

Member


25. Dr. Shweta Bali
Professor & HOD of Periodontics, SDC&H
Member *Shweta Bali*
26. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC&H
Member *Rajiv Ahluwalia*
27. Dr. Vijaya Dhar
Professor & HOD of Conservative Dentistry & Endodontics, SDC&H
Member *Vijaya Dhar* 24/2/21
28. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial Surgery, SDC&H
Member *Amit Bihari Lal* 24/2/21
29. Dr. Nidhi Gupta
Professor & HOD of Paediatrics & Preventive Dentistry, SDC&H
Member *Nidhi Gupta* 24/02/21
30. Dr. Priyanka Bhushan
Reader & HOD of Public Health Dentistry, SDC&H. *Priyanka Bhushan* Member
31. Dr. Manish Gupta,
Reader & HOD of Oral Medicine Diagnosis & Radiology, SDC&H
Member *Manish Gupta*
32. Dr. Dakshina Bisht
Professor of Microbiology, SMC&H
Member *Dakshina Bisht* 24/2/21
33. Dr. Jyoti Batra,
Professor of Biochemistry, SMC&H
DEAN RESEARCH
Member *Jyoti Batra* 24/2/2021
34. Dr. Pradeep Kumar
Professor of Biochemistry, SMC&H.
Member *Pradeep Kumar* 24/2/2021
35. Dr. Geeta Gupta,
Professor of Microbiology, SMC&H
Member *Geeta Gupta* 24/2/21
36. Dr. Veenu Agarwal
Professor of Paediatrics, SMC&H.
Member *Veenu Agarwal* 4/5/2021



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24/2/2021

37. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC&H

Manisha
Member

38. Dr. Yogesh Yadav
Professor of Anatomy, SMC&H

Y
Member
24/02/21
Swati Bansal

39. Dr. Shivani Bansal
Professor of Medicine, SMC&H

Member

40. Dr. Deepa Verma
Professor of Orthodontics, SDC&H.

Deepa
Member
24/2/21

41. Dr. Navpreet Mann Dhillon,
Associate Professor of Physiology, SMC&H.

Navpreet Mann
Member
24/02/21

42. Dr. Swati Singh
Associate Professor of Pathology, SMC&H.

Member

43. Dr. Mayurika Tyagi
Asso. Professor, Dept. of Pathology, SMC&H

Member

44. Dr. Atish Anand,
Asso. Professor of Community Medicine, SMC&H.

Atish
Member

45. Dr Antara Debbarma,
Asst. Professor of Forensic Medicine

Antara
Member
24/02/21

46. Dr. Shweta Kumari,
Asst. Professor of Anatomy

Member

47. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar,
New Delhi

Member

48. Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi

Pradeep
Member

49. Dr. R. K. Sharma
Controller of Examination
Santosh Deemed to be University

RKS Sharma
Member 24/2/24

/ 50. Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University

Ezhilrajan K
Member 24/2/24

51. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi

Sh. V. Sampath
Member 24/2/24

52. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi

Member *Sh. D. Kannan*
24-02-24

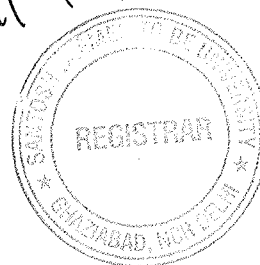
53. Dr. V. P. Gupta
Registrar, Santosh Deemed to be University

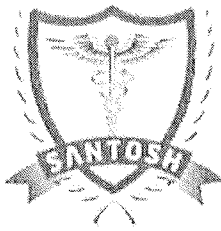
Dr. V. P. Gupta
Ex-Officio Secretary 24/2/24

54. *Dr. Seema Sharma.*

Seema Sharma
Member.

Dr. V. P. Gupta
24/5/2024





SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

**MINUTES OF THE 44th ACADEMIC COUNCIL HELD ON 22.07.2021 AT 3.00 PM
IN THE MAHARAJA HALL, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD,
NCR, DELHI.**

The Members of the Academic Council who were present in the meeting as per Attendance list is enclosed.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

ITEM: 1

CONFIRMATION OF THE MINUTES OF 43rd MEETING OF THE ACADEMIC COUNCIL HELD ON 11.06.2021 AT 03.00 PM.

The Minutes of 43rd meeting of the Academic Council held on 11.06.2021 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes were confirmed.

ITEM: 2

ACTION TAKEN ON THE MINUTES OF 43rd MEETING OF THE ACADEMIC COUNCIL HELD ON 11.06.2021 AT 03.00 PM.

The Action Taken on the Minutes of 43rd meeting of the Academic Council held on 11.06.2021 at 3.00 PM were noted by the Members of the Academic Council. The decisions of the Academic Council as approved by the Board of Management in its meeting held on 16.06.2021 were conveyed to all concerned.

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 52nd MEETING OF THE BOARD OF STUDIES HELD ON 20.07.2021 AT 3:00 PM.

The Members of the Academic Council considered in detail the recommendations / minutes along with AGENDA of the Board of Studies held on 20.07.2021 at 3.00 PM and approved as under as indicated against each:-



[Signature]
31.7.21

4. The Syllabus as submitted by the Dean-Academics /Medical Superintendent (As per BOS Agenda Item No. 11) will be applicable.
5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various courses under the ambit of the Santosh Deemed to be University will be the same for starting Master of Hospital Administration (M.H.A) (2 Years) Course subject to any further amendments made in this regard.

ITEM:04

TO CONSIDER THE SYLLABUS FOR INTRODUCTION OF NEW PROGRAMME MD-RADIO DIAGNOSIS AT SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI IN ANTICIPATION OF THE GRANT OF APPROVAL OF NMC

The Members of the Academic Council considered the Syllabus for Introduction of New Programme MD- Radio Diagnosis at Santosh Medical College & Hospital, Ghaziabad, Delhi NCR from the academic year 2022-23 onwards and the same was recommended/ approved as under: -

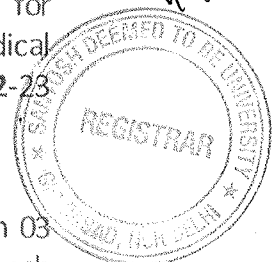
- "1. To start Post Graduate Programme in MD- Radio Diagnosis with 08 (Eight) seats in the department of Radio Diagnosis at Santosh Medical College & Hospital, Ghaziabad, Delhi NCR from the Academic Year 2022-23 onwards under Santosh Deemed to be University subject to grant of permission by the National Medical Commission, New Delhi U/s 26(1)(a)(b), 28(1)(2) and 61(2) of the NMC Act, 2019.
2. The Syllabus of M.D. Radio Diagnosis was considered and Approved as per the NMC's Guidelines for the said programme."

ITEM:05

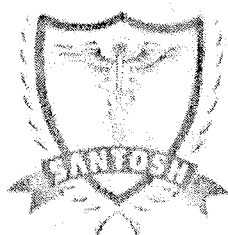
TO CONSIDER THE SYLLABUS FOR INTRODUCTION OF NEW PROGRAMME MD-EMERGENCY MEDICINE AT SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI IN ANTICIPATION OF THE GRANT OF APPROVAL OF NMC

The Members of the Academic Council considered the Syllabus for Introduction of New Programme MD- Emergency Medicine at Santosh Medical College & Hospital, Ghaziabad, NCR Delhi from the academic year 2022-23 onwards and the same was recommended / approved as under: -

- "1. To start Post Graduate Programme in MD- Emergency Medicine with 03 (three) seats in the department of Der Emergency Medicine at Santosh



[Handwritten signatures]



SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

MINUTES OF THE 44th ACADEMIC COUNCIL HELD ON 22.07.2021 AT 3.00 PM
IN THE MAHARAJA HALL, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD,
NCR, DELHI.

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At the outset, the Vice Chancellor Dr. Tripta S Bhagat welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

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The Members of the Academic Council considered in detail the recommendations / minutes along with AGENDA of the Board of Studies held on 20.07.2021 at 3.00 PM and approved as under as indicated against each:-



[Handwritten signature]

T. Bhagat
31.7.21

- 1) TO CONSIDER FOR STARTING B. OPTOMETRY (B.OPTOM) (03 YEARS + 1 YEAR INTERNSHIP) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF OPHTHALMOLOGY OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS.

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) / Department(s) / School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start B.Optomtry (B.Optom) (03 Years + 1 year Internship) Course in the Department of Ophthalmology i.e. in the allied field of the existing department of Ophthalmology of Santosh Medical College & Hospital.
3. There is no Regulatory Body for starting B.Optomtry Course in the department of Ophthalmology.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution



has been obtained by the applicant from the respective state government or the union territory administration."

The members of the Academic Council after considering in detail the proposal to start B.Optometry (B.Optom) (03 Years + 1 year Internship) Course in the Department of Ophthalmology decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

The Candidates who possess 10+2 /HSC with English, Physics, Chemistry and Biology or (Botany & Zoology) [OR] English, Physics, Chemistry, Mathematics or its equivalent qualifications from a Recognized Board.

[OR]

The Candidates who possess Diploma in Optometry are eligible for admission to B.Optom Course (Lateral Entry)

2. No. of Seats Per Year:

20 Seats

3. Duration of Course:

03 Years + 1 year Internship

02 Years + 1 year Internship (Lateral Entry)

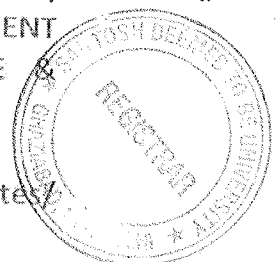
4. The Syllabus as submitted by the HOD of Ophthalmology (As per BOS Agenda Item No. 3) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various courses under the ambit of the Santosh Deemed to be University will be the same for starting B.Optometry (B.Optom) (03 Years + 1 year Internship) Course subject to any further amendments made in this regard.

2) TO CONSIDER FOR STARTING M.S.W. COMMUNITY MEDICINE (2 YEARS) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF COMMUNITY MEDICINE OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for



Handwritten signature and date: 31.7.21.

1. Eligibility Criteria/ Qualifications:

Bachelors Degree in any discipline or its equivalent qualifications from a Recognized Institution/ University.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

2 Years

4. The Syllabus as submitted by the HOD of Community Medicine (As per BOS Agenda Item No. 4) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting M.S.W. Community Medicine (2 Years) Course subject to any further amendments made in this regard.

3) TO CONSIDER FOR STARTING B.SC. CLINICAL NUTRITION AND DIETETICS (03 YEARS + 1 YEAR INTERNSHIP) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF GENERAL MEDICINE OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) / Department(s) / School(s)/ Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory

 Santosh
31.7.21

bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start **B.Sc. Clinical Nutrition and Dietetics (3 Years + 1 Year Internship) Course** in the Department of General Medicine i.e. in the allied field of the existing department of General Medicine of Santosh Medical College & Hospital.
3. There is no Regulatory Body for starting **B.Sc. Clinical Nutrition and Dietetics (3 Years + 1 Year Internship) Course** in the department of General Medicine.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

The members of the Academic Council after considering in detail the proposal to start **B.Sc. Clinical Nutrition and Dietetics (3 Years + 1 Year Internship) Course** in the Department of General Medicine decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

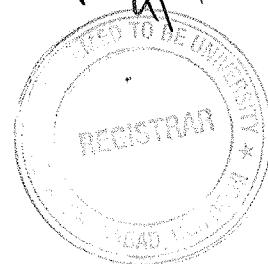
Passed 10+2 with Physics, Chemistry, Botany & Zoology/ Biology including English OR its equivalent qualification from a Recognized Board.

2. No. of Seats Per Year:

20 Seats

3. Duration of Course:

3 Years + 1 Year Internship



4. The Syllabus as submitted by the HOD of General Medicine (As per BOS Agenda Item No. 5) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various courses under the ambit of the Santosh Deemed to be University will be the same for starting B.Sc. Clinical Nutrition and Dietetics (3 Years + 1 Year Internship) Course subject to any further amendments made in this regard.

4) TO CONSIDER FOR STARTING M.SC. CLINICAL PSYCHOLOGY (2 YEARS) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF PSYCHIATRY OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS


The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) / Department(s) / School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start M.Sc. Clinical Psychology (2 Years) Course in the Department of Psychiatry i.e. in the allied field of the existing department of Psychiatry of Santosh Medical College & Hospital.

3. There is no Regulatory Body for starting M.Sc. Clinical Psychology (2 Years) Course in the department of Psychiatry.


15/7/2021
31.7.21

4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

The members of the Academic Council after considering in detail the proposal to start M.Sc. Clinical Psychology (2 Years) Course in the Department of Psychiatry decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

Candidate must be graduate- BSc-science graduate (preferably Zoology & Chemistry) BOT/ BPT/ MBBS/ BA (Psychology) or any other Life Science/ Health Science Degrees or its equivalent qualifications from a Recognized Institution/ University with English medium background.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

2 years

4. The Syllabus as submitted by the HOD of Psychiatry (As per BOS Agenda Item No. 6) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting M.Sc. Clinical Psychology (2 Years) Course subject to any further amendments made in this regard.

5) TO CONSIDER FOR STARTING M.SC. MEDICAL LAB TECHNOLOGY (2 YEARS) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF PATHOLOGY OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS



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The members of the **Academic Council** considered the **Minutes/ recommendations** of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) / Department(s) / School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start **M.Sc. Medical Lab Technology (2 Years) Course** in the **Department of Pathology** i.e. in the allied field of the existing department of Pathology of Santosh Medical College & Hospital.
3. There is no Regulatory Body for starting **M.Sc. Medical Lab Technology (2 Years) Course** in the department of Pathology.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."


/808 Supd.
31.7.21.

The members of the Academic Council after considering in detail the proposal to start M.Sc. Medical Lab Technology (2 Years) Course in the Department of Pathology decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

The Candidates who possess B.Sc. Allied Health Sciences/ Medical Laboratory Technology/ Biochemistry/ Microbiology or its equivalent qualifications from a Recognized Institution/ University.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

2 years

4. The Syllabus as submitted by the HOD of Pathology (As per BOS Agenda Item No. 7) will be applicable.

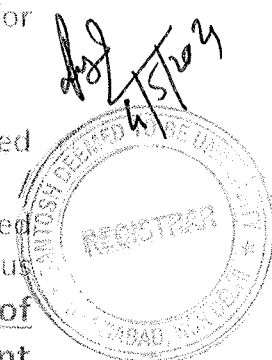
5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting M.Sc. Medical Lab Technology (2 Years) Course subject to any further amendments made in this regard.

6) TO CONSIDER FOR STARTING M.SC. MEDICAL IMAGING TECHNOLOGY (2 YEARS) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF RADIO DIAGNOSIS OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) Programme(s) /Department(s) /School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/



Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start **M.Sc. Medical Imaging Technology (2 Years) Course** in the **Department of Radio Diagnosis** i.e. in the allied field of the existing department of Radio Diagnosis of Santosh Medical College & Hospital.
3. There is no Regulatory Body for starting **M.Sc. Medical Imaging Technology (2 Years) Course** in the department of Radio Diagnosis.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

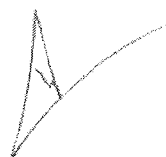
The members of the Academic Council after considering in detail the proposal to start **M.Sc. Medical Imaging Technology (2 Years) Course** in the Department of Radio Diagnosis decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

The Candidates should possess B.Sc. Degree in Radiology and Imaging Sciences/ B.Sc. Medical Imaging Technology / Radiography / Bachelor of Medical Radio Diagnosis & Imaging Technology (BMRDIT) or its equivalent qualifications from a Recognized Institution/ University.

2. No. of Seats Per Year:

10 Seats



18/07/2012
31.7.21

3. Duration of Course:

2 years

4. The Syllabus as submitted by the HOD of Radio Diagnosis (As per BOS Agenda Item No. 8) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting M.Sc. Medical Imaging Technology (2 Years) Course subject to any further amendments made in this regard.

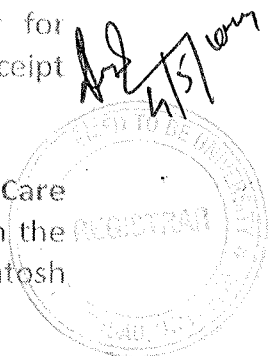
7) TO CONSIDER FOR STARTING M.SC TRAUMA AND CRITICAL CARE (2 YEARS) COURSE AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF EMERGENCY MEDICINE OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) / Department(s) / School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start M.Sc. Trauma and Critical Care (2 Years) Course in the Department of Emergency Medicine i.e. in the allied field of the existing department of Emergency Medicine of Santosh Medical College & Hospital.



3. There is no Regulatory Body for starting **M.Sc. Trauma and Critical Care (2 Years) Course** in the department of Emergency Medicine.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

The members of the Academic Council after considering in detail the proposal to start **M.Sc. Trauma and Critical Care (2 Years) Course** in the Department of Emergency Medicine decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

B.Sc. Emergency Medical Technology/ B.Sc. Respiratory Therapy/
B.Sc. Physician Assistant/ B.Sc. Anaesthesia Technology or its
equivalent qualifications from a Recognized Institution/ University.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

2 years

4. The Syllabus as submitted by the HOD of Emergency Medicine (As per BOS Agenda Item No. 9) will be applicable.

5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting **M.Sc. Trauma and Critical Care (2 Years) Course** subject to any further amendments made in this regard.

8) TO CONSIDER FOR STARTING **M.SC. SPORTS MEDICINE AND EXERCISE SCIENCES (2 YEARS) COURSE** AT SANTOSH DEEMED TO BE UNIVERSITY IN THE DEPARTMENT OF ORTHOPAEDICS OF SANTOSH MEDICAL


31.7.21

The members of the Academic Council after considering in detail the proposal to start **M.Sc. Sports Medicine and Exercise Sciences (2 Years) Course** in the Department of Orthopaedics decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

B Pass in MBBS / BPT / BOT / BSc (Exercise & Sports Sciences) or its equivalent qualifications from a recognized University.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

2 years

4. The Syllabus as submitted by the HOD of Orthopaedics (As per BOS Agenda Item No. 10) will be applicable.

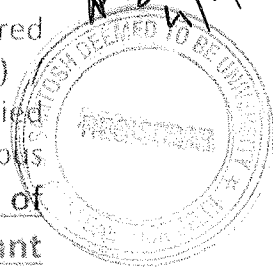
5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various M.Sc. courses under the ambit of the Santosh Deemed to be University will be the same for starting **M.Sc. Sports Medicine and Exercise Sciences (2 Years) Course** subject to any further amendments made in this regard.

9) TO CONSIDER FOR STARTING MASTER OF HOSPITAL ADMINISTRATION (M.H.A) 2 YEARS COURSE AT SANTOSH HOSPITAL FROM THE ACADEMIC YEAR 2021-22 ONWARDS.

The members of the Academic Council considered the Minutes/ recommendations of Board of Studies and noted the following:

1. That according to the UGC Regulations dated 20th February 2019 for Institutions Deemed to be University vide clause 8.02 states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) Programme(s) /Department(s) /School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall



18.08.2021
18.11.21

be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

2. That as per above, the University can start **Master of Hospital Administration (M.H.A) 2 Years Course** at Santosh Hospital i.e. in the allied field of the existing courses/ programmes of Santosh Medical College & Hospital.
3. There is no Regulatory Body for starting **Master of Hospital Administration (M.H.A) (2 Years) Course** at Santosh Hospital. The NMC/MCI regulate MD. Hospital Administration Course of 3 years after MBBS and not Master of Hospital Administration.
4. No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

The members of the Academic Council after considering in detail the proposal to start **Master of Hospital Administration (M.H.A) (2 Years) Course** at Santosh Hospital and decided to approve/recommend as under:

1. Eligibility Criteria/ Qualifications:

A Degree in Bachelor of Public Health/ MBBS/ AYUSH (BUMS/ BAMS/ BHMS) / B.H.A / B.Sc. Nursing/ B.Pharm or its equivalent qualifications from a recognized University/ Institution.

2. No. of Seats Per Year:

10 Seats

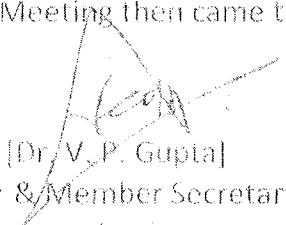
3. Duration of Course:

2 years




4. The Syllabus as submitted by the Dean-Academics /Medical Superintendent (As per BOS Agenda Item No. 11) will be applicable.
5. The Rules & Regulations as approved by the Board of Management in its Meeting held on 28.07.2012 for starting various courses under the ambit of the Santosh Deemed to be University will be the same for starting Master of Hospital Administration (M.H.A) (2 Years) Course subject to any further amendments made in this regard.

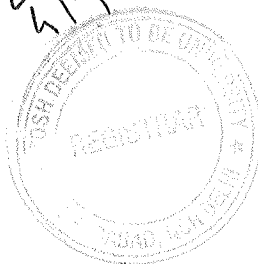
The Meeting then came to an end with a vote of thanks to the Chair.


[Dr. V. P. Gupta]

Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad, NCR Delhi


[Dr. Tripta S Bhagat]

Vice Chancellor
Santosh Deemed to be University,
Ghaziabad, NCR Delhi



ATTENDANCE OF 44th MEETING OF THE ACADEMIC COUNCIL HELD ON

22.07.2021 AT 3:00 P.M

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be University
2. Dr. Alka Agrawal,
Dean, SMC&H
3. Dr. Akshay Bhargava
Dean & Prof of Prosthodontics, SDC&H
4. Dr. Alpana Agrawal
Medical Superintendent &
Professor of Obst. & Gynae., SMC&H
5. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMC&H.
6. Dr. Rinku Garg
Professor & HOD of Physiology, SMC&H.
7. Dr. Juhi Agarwal
Professor & HOD of Biochemistry, SMC&H
8. Dr. Malay Bajpai
Professor & HOD of Pathology, SMC&H
9. Dr. Ashutosh Rawat
Professor & HOD of Microbiology, SMC&H
10. Dr. Shaktibala Dutta
Professor & HOD of Pharmacology, SMC&H
11. Dr. Navin Kumar M. Varma,
Professor & HOD of Forensic Medicine ,SMC&H
12. Dr. Deepika Agarwal,
Professor & HOD of Community Medicine
SMC&H
13. Dr. Ashok Kumar
Professor & HOD of Medicine, SMC&H.

Chairperson

T. S. Bhagat
22.7.21

Member

Alka

Member

Akshay
22/7/21

Member

Alpana
22/7/21

Member

Nisha
22/7/21

Member

Rinku
22/7/21

Member

Juhi
22/7/21

Member

Malay

Member

Ashutosh
22/7/21

Member

Shakti

Member

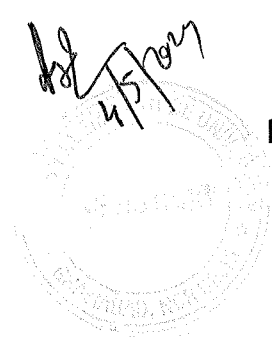
Navin
22/7/21

Member

Deepika
22/7/21

Member

Ashok
22/7/21



14. Dr. Sanjay Sahay
Professor & HOD of TB & Chest
15. Dr. V.K. Garg
HOD of Dermatology & Venereology & Leprosy,
SMC&H.
16. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMC&H.
17. Dr. Kailash Chander Aggarwal,
Professor & HOD of Paediatrics, SMC&H
18. Dr. Shalabh Gupta
Professor & HOD of Surgery, SMC&H.
Dean-Academics
19. Dr. Vandana Singh,
Professor & HOD of E.N.T., SMC&H.
20. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMC&H.
21. Dr. Neelima Agarwal,
Professor & HOD of Obst. & Gynae., SMC&H.
22. Dr. Ashish Kumar Shukla
HOD of Radio-diagnosis, SMC&H.
23. Dr. Suveer Sharma,
Professor & HOD of Anesthesia, SMC&H.
24. Dr. Dinesh Ramesh Kabre,
Professor & HOD of Orthopaedics, SMC & H
25. Dr. S.V.Singh
Prof & HOD of Prosthodontics, SDC&H.
26. Dr. Shweta Bali
Professor & HOD of Periodontics, SDC&H
27. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC&H

Sanjay Sahay
Member

V.K. Garg
Member

A.K. Seth
Member
A.K. Seth

Member

Member

Vandana Singh
Member

Sarita Agarwal
Member

Member

Neelima
22/7/21
Member
Ashish

Member

Member

Member

Member

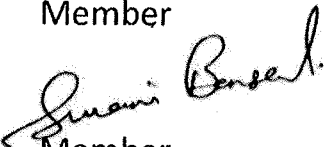



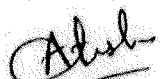


Shweta

Member

Rajiv

28. Dr. Sumita Giri
Professor & HOD of Conservative Dentistry &
Endodontics, SDC&H
Member
29. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial Surgery,
SDC&H
Member
[Signature]
22/7/24
30. Dr. Nidhi Gupta
Professor & HOD of Paediatrics & Preventive
Dentistry, SDC&H
Member
[Signature]
22/7/24
31. Dr. Priyanka Bhushan
Reader & HOD of Public Health Dentistry, SDC&H.
Member
Priyanka Bhushan
32. Dr. Neeraj Grover
Professor & HOD of Oral Pathology & Microbiology
Member
33. Dr. Chandni Batra Bhakra
Department of Oral Medicine Diagnosis &
Radiology, SDC&H
Member
34. Dr. Dakshina Bisht
Professor of Microbiology, SMC&H
Director, IQAC
Member
[Signature]
22/7/2021
35. Dr. Jyoti Batra,
Professor of Biochemistry, SMC&H,
Dean-Research
Member
Jyoti Batra
22/7/24
36. Dr. Pradeep Kumar
Professor of Biochemistry, SMC&H.
Dean-Students Welfare
Member
Pradeep
22/7/24
37. Dr. Geeta Gupta,
Professor of Microbiology, SMC&H
Member
Geeta
22/7/24
38. Dr. Veenu Agarwal,
Professor of Paediatrics, SMC&H.
Member
[Signature]
22/7/24
39. Dr. Manisha Gupta
Professor of Obst. & Gynae., SMC&H
Member
Manisha




- | | | |
|-----|---|---|
| 40. | Dr. Yogesh Yadav
Professor of Anatomy, SMC&H | Member
 |
| 41. | Dr. Shivani Bansal
Professor of Medicine, SMC&H | Member
 |
| 42. | Dr. Deepa Verma
Professor of Orthodontics, SDC&H. | Member
 |
| 43. | Dr. Amit Dwivedi
Associate Professor of Orthopaedics, SMC&H. | Member |
| 44. | Dr. Navpreet Mann Dhillon,
Associate Professor of Physiology, SMC&H. | Member
 |
| 45. | Dr. Swati Singh
Associate Professor of Pathology, SMC&H. | Member |
| 46. | Dr. Mayurika Tyagi
Assoc. Professor, Dept. of Pathology, SMC&H | Member
 |
| 47. | Dr. Atish Anand,
Assoc. Professor of Community Medicine, SMC&H. | Member
 |
| 48. | Dr. Shikha Pawaiya,
Assoc. Professor of Ophthalmology | Member |
| 49. | Dr. Shweta Kumari,
Asst. Professor of Anatomy | Member |
| 50. | Dr. Arun Nagtilak,
Asst. Professor of Biochemistry | Member
 |
| 51. | Dr. Ankita Gupta,
Asst. Professor of Microbiology | Member |
| 52. | Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar,
New Delhi | Member |


Member

53. Dr. Pradeep Venkatesh ,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi

Member

54. Dr. M.S.Bhatia,
Director Professor & Head,
Department of Psychiatry,
University College of Medical Sciences
& GTB Hospital, New Delhi


Member 22-07-2021


55. Dr. Gajendra Kumar Gupta
Controller of Examination
Santosh Deemed to be University


Member 22/7/2021


56. Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University


Member 22/7/21

57. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi

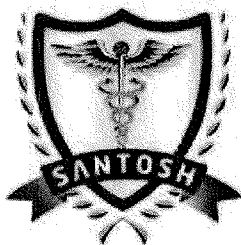
Member 
22.07.2021

58. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi


Ex-Officio Secretary
22-7-21

59. Dr. V. P. Gupta
Registrar, Santosh Deemed to be University





SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

MINUTES OF THE 47th ACADEMIC COUNCIL HELD ON 14.07.2022 AT 3.00 PM
IN THE MAHARAJA HALL, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD,
NCR, DELHI.

The Members of the Academic Council who were present in the meeting as per Attendance list is enclosed.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat welcomed newly appointed Pro-Vice Chancellor, Dr. Ashok Kumar Sharma and all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

ITEM: 1

CONFIRMATION OF THE MINUTES OF 46th MEETING OF ACADEMIC COUNCIL
HELD ON 24.03.2022 AT 3.00 PM

The Minutes of 46th meeting of the Academic Council held on 24.03.2022 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes **were confirmed**.

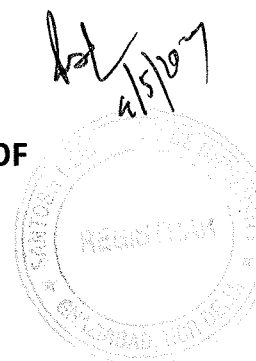
ITEM: 2

ACTION TAKEN ON THE MINUTES OF 46th MEETING OF ACADEMIC COUNCIL
HELD ON 24.03.2022 AT 3.00 PM

The Action Taken on the Minutes of 46th meeting of the Academic Council held on 24.03.2022 at 3.00 PM **were noted** by the Members of the Academic Council. The **actions** were taken according to the decisions of the Academic Council and as approved by the Board of Management in its meeting held on 30.03.2022

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 55th MEETING OF THE BOARD OF STUDIES HELD ON 11.07.2022 AT 3:00 PM.



increase intake capacity in respect of above courses from the Academic Year 2022-23 as under as indicated against each:

S.No	Name of the Course	Department	No. of seats increased
1.	B.Optomety	Ophthalmology	20 to 30
2.	M.Sc. Medical Microbiology	Microbiology	20 to 30
3.	M.Sc. Medical Imaging Technology	Radio Diagnosis	10 to 20

3(10) TO CONSIDER FOR STARTING B.SC. OPERATION THEATRE TECHNICIAN COURSE IN THE DEPARTMENT OF ANAESTHESIA OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2022-23 ONWARDS- SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, DELHI NCR

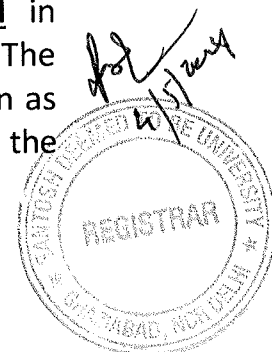
AND

3(11) TO CONSIDER FOR STARTING B.SC. ANAESTHESIA TECHNOLOGY COURSE IN THE DEPARTMENT OF ANAESTHESIA OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2022-23 ONWARDS- SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, DELHI NCR

The members of the Academic Council considered the **Minutes/ recommendations of BOS** and **noted** the following:

- 1) That according to the **Clause 8.02** of the UGC Regulations dated **20th February 2019** for Institutions Deemed to be University for starting new courses in the existing departments states as under:

“Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) /Department(s) /School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution.”



- 2) There is no Regulatory Body for starting **B.Sc. Operation Theatre Technician and B.Sc. Anaesthesia Technology Courses** in the department of Anaesthesia
- 3) No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University:

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

- 4) That two proposals i.e 1) to start **B.SC. OPERATION THEATRE TECHNICIAN COURSE** and 2) to start **B.SC. ANAESTHESIA TECHNOLOGY COURSE** were submitted by the HOD of Anaesthesia. The Syllabi for these two courses were also submitted. Accordingly, the proposals were brought before the Members of Board of Studies for consideration.

The Members of Academic Council also **noted** that it was informed by the HOD of Anaesthesia that in all other Institutions / Universities, there is one course i.e. **B.Sc. Anaesthesia and Operation Theatre Technology Course** instead of above two courses while considering the above two items in the Board of Studies Meeting.

The members of the **Academic Council** after detailed consideration of the **Minutes/ recommendations** of Board of Studies **recommended / approved** as under:

"To start B.Sc. Anaesthesia and Operation Theatre Technology Course from Academic year 2022-23 onwards on the existing Terms and Conditions as have been approved by the Board of Management in its meeting held on 28.07.2012/24.11.2021 for starting various B.Sc./ M.Sc. Courses in the allied field of the existing Courses/ Programmes/ Departments of SANTOSH MEDICAL COLLEGE & HOSPITAL & Hospital running under the ambit of Santosh Deemed to be University.

The Eligibility Criteria/ Qualifications, No. of Seats per year, Duration of Course etc. are **approved** as under and the syllabus for the above course as submitted by Head of the Dept. of Anaesthesia is also **approved**:

1. Eligibility Criteria/ Qualifications:

The Candidates who possess 10+2 /HSC with English, Physics, Chemistry and Biology or (Botany & Zoology) [OR] English , Physics, Chemistry, Mathematics or its equivalent qualifications from a Recognized Board.

Candidate must have completed age of 17 years as on 31st December of Admission year. There is no maximum age limit for the admission.

2. No. of Seats Per Year:

20 Seats

3. Duration of Course:

03 Years +1 year Internship

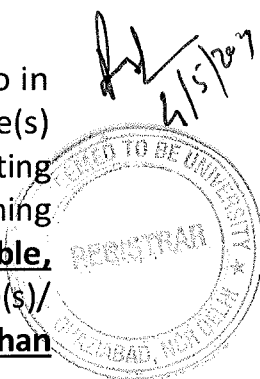
4. Examination Question Pattern will be the same as approved by the Board of Management in its meeting held on 24.11.2021 for existing UG & PG Allied Courses running from the Academic year 2021-22."

3(12) TO CONSIDER FOR STARTING M.OPTOMETRY (M.OPTOM) COURSE IN THE DEPARTMENT OF OPHTHALMOLOGY OF SANTOSH MEDICAL COLLEGE & HOSPITAL FROM THE ACADEMIC YEAR 2022-23 ONWARDS- SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, DELHI NCR

The members of the Academic Council considered the **Minutes/ recommendations** of **BOS** noted the following:

- 1) That according to the **Clause 8.02** of the UGC Regulations dated **20th February 2019** for Institutions Deemed to be University for starting new courses in the existing departments states as under:

"Institutions Deemed to be universities, other than those referred to in clause 8.01 herein above, shall start new Course(s) / Programme(s) /Department(s) /School(s)/Faculty(ies) in allied field only in their existing Campus and approved off-Campus centre(s) only after obtaining permission from its Board of Management and, also where applicable, the relevant Statutory bodies. In case of starting of new Course(s)/ Programme(s)/ Department(s) / School(s) / Faculty(ies) in other than



allied fields, prior approval of the Commission shall be required in addition to approval from the relevant statutory bodies. The Commission shall convey its decision either for approval or rejection as the case may be, within sixty days of receipt of the application from the institution."

- 2) There is no Regulatory Body for starting **M.Optomety Course** in the department of **Ophthalmology**.
- 3) No Essentiality Certificate is required for opening a New Course in the Medical College/ Institution as per MCI/NMC 'Opening of New or Higher Course or Study or training (Amendment) Regulations 2010' dated 03.11.2010, section 3(2) of Regulation 2000 has been repealed as under as conveyed by the DGME, Govt. of U.P vide letter No. ME-3/2012/1998 dated 29.08.2012 in the case of M.Sc. /Ph.D. Courses started at Santosh Deemed to be University (Copy enclosed):

"The permission letter regarding desirability and feasibility for opening a new or higher course in the medical college/ institution has been obtained by the applicant from the respective state government or the union territory administration."

The members of the **Academic Council** after detailed consideration of the **Minutes/ recommendations** of Board of Studies **recommended / approved** as under:

"To start M.Optomety Course from Academic year 2022-23 onwards on the existing Terms and Conditions as have been approved by the Board of Management in its meeting held on 28.07.2012 /24.11.2021 for starting various B.Sc./ M.Sc. Courses in the allied field of the existing Courses/ Programmes/ Departments of SANTOSH MEDICAL COLLEGE & HOSPITAL & Hospital running under the ambit of Santosh Deemed to be University.

The Eligibility Critieria/ Qualifications, No. of Seats per year, Duration of Course etc. are **approved** as under and the syllabus for the above course as submitted by Head of the Dept. of Ophthalmology is also **approved**:

1. Eligibility Criteria/ Qualifications:

The Candidates who possess B.Optomety / B.Sc. Optometry or its equivalent qualification from a Recognized University.

2. No. of Seats Per Year:

10 Seats

3. Duration of Course:

02 Years

4. **Examination Question Pattern** will be the same as approved by the Board of Management in its meeting held on 24.11.2021 for existing UG & PG Allied Courses running from the Academic year 2021-22."

3(13) TO CONDUCT ONLINE EXAMINATION OF INTERNAL ASSESSMENT OF MBBS PHASE-I, PHASE-II, PHASE-III (PART-1) AND PHASE-III (PART-2).

The members of the Academic Council considered the **Minutes/ recommendations** of **BOS** and **noted** the advantages for conducting online examination as under:

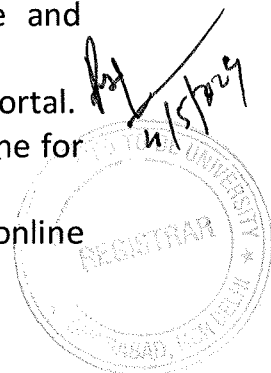
I. ADVANTAGES OF ONLINE EXAM:

- Reduction in Logistics - Minimize the source requirement i.e. cost of Examination set up
- Accessibility to Remote Areas - The ability to conduct tests at various locations with just an internet connection.
- Scalability - Ability to cater to a large audience and can easily manage a large amount of content.
- All Question types and Test Creation and Evaluation are possible, eg: MCQs, Fill in the blanks, Subjective (which need to be evaluated by the teacher separately). Facilitators can log in and easily create a question paper.
- Removes Cheating - AI driven remote proctoring through webcam ensures a controlled environment which reduces the ability to cheat.
- Automated Reports - This serves the purpose of eliminating manual correction.

II. ONLINE EXAMINATION SYSTEM (SOP)

A. Pre Exam:

- (i) Students & Faculty Login ID is generated using Student Data and Faculty Data using their Registered Email Id, Phone No. and Registration No.
- (ii) All Stakeholders are trained on the online examination portal.
- (iii) Question Paper are uploaded on the portal (Both Objective and Subjective questions).
- (iv) Question Papers are locked as per the Exam schedule within the portal.
- (v) Stakeholders can use laptop/desktop with webcam / smart-phone for writing the exam through the online examination system.
- (vi) Minimum 512 KBPS internet speed must be maintained while the online exam is going on.
- (vii) Chrome / Safari browser shall be used to Login to the portal.



2. Duration of the Course:

2 Month - 16 Hours (Every Saturday 2:00 PM to 4:00 PM on consecutive 8 Saturdays)

3. Eligibility Criteria:

MBBS 3rd Year Students

4. Course Fee:

Nil

5. Course Director:

Dr. Deepika Agrawal

6. Resource Faculty:

Dr. Alka Agrawal, Dr. Deepika Agrawal, Dr. Anupama Singh & Kshitij Chaudhary

7. Course Methodology:

Lecture / Demonstration / Focused Group Discussion.

The Vice Chancellor noted that some Members of the Academic Council were not present without any prior information. The Vice Chancellor informed that Agenda and Minutes of the BOS were circulated well in time to all the members of the Academic Council so that they may go through it. She also indicated the University Rules & Bye Laws 2010 vide clause 27(2) regarding to attend the meetings of the Academic Council i.e.

"If he/she does not attend three consecutive meetings of the Academic Council without proper leave of absence in writing to the Chairman, he / she shall cease to be a member of the Academic Council."

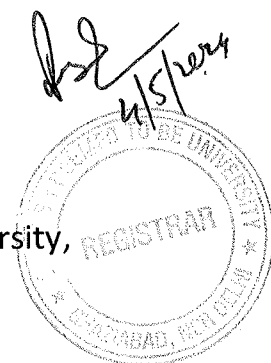
The Meeting then came to an end with a vote of thanks to the Chair.

Sd/-

[Dr. Alpana Agrawal]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad, DELHI NCR

Sd/-

[Dr. Tripta S Bhagat]
Vice Chancellor
Santosh Deemed to be University,
Ghaziabad, DELHI NCR



ATTENDANCE OF 47th MEETING OF THE ACADEMIC COUNCIL HELD ON

14.07.2022 AT 3:00 PM

1. Dr. Tripta S Bhagat,
Vice-Chancellor, Santosh Deemed to be University
2. Dr. Ashok Kumar Sharma
Pro Vice-Chancellor,
Santosh Deemed to be University
3. Dr. Alka Agrawal,
Dean, SMC&H
4. Dr. Akshay Bhargava
Dean & Prof of Prosthodontics, SDC&H
5. Dr. Shalabh Gupta,
Dean-Academics
6. Dr. Sushil Gaur
Medical Superintendent &
Professor of ENT, SMC&H
7. Dr. Nisha V Kaul
Professor & HOD of Anatomy, SMC&H.
8. Dr. Rinku Garg
Professor & HOD of Physiology, SMC&H.
9. Dr. Juhi Agarwal
Professor & HOD of Biochemistry, SMC&H
10. Dr. Malay Bajpai
Professor & HOD of Pathology, SMC&H
11. Dr. Ashutosh Rawat
Professor & HOD of Microbiology, SMC&H
12. Dr. Shaktibala Dutta
Professor & HOD of Pharmacology, SMC&H
13. Dr. Sumit Tellewar
Professor & HOD of Forensic Medicine, SMC & H

Chairperson *Tsn* 14.7.22

Member *A. Sharma*
A. Sharma
14/7/22

Member *Alka*

Member *Akshay*

Member *Shalabh*

Member *Sushil*

Member *Nisha* 14/07/2022

Member *Rinku*

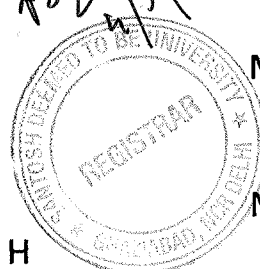
Member *Juhi* 14/7/22

Member

Member *Ashutosh*

Member *Shakti* 14.7.2022

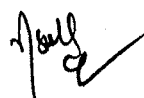
Member



14. Dr. Deepika Agarwal,
Professor & HOD of Community Medicine, SMC&H

Member  14/7/22

15. Dr. Ashok Kumar
Professor & HOD of Medicine, SMC&H.

Member 

16. Dr. Manish Kumar Sharma
Department of TB & Chest

Member

17. Dr. V.K. Garg
HOD of Dermatology & Venereology & Leprosy,
SMC&H.

Member 

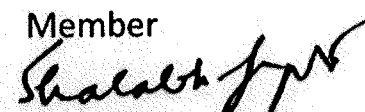
18. Dr. A.K. Seth,
Professor & HOD of Psychiatry, SMC&H.

Member 

19. Dr. Kailash Chander Aggarwal,
Professor & HOD of Paediatrics, SMC&H

Member

20. Dr. Shalabh Gupta
Professor & HOD, General Surgery

Member 

21. Dr. Tarun Malhotra,
Professor & HOD of E.N.T., SMC&H.

Member

22. Dr. Sarita Agarwal
Professor & HOD of Ophthalmology, SMC&H.


Member

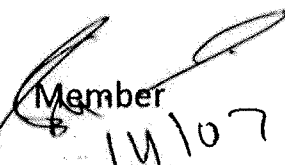
23. Dr. Manisha Gupta,
Professor & HOD of Obst. & Gynae., SMC&H.

Member 

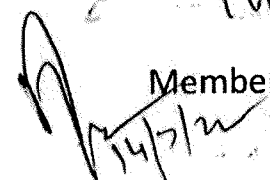
24. Dr. Ashok Kumar Sharma
Professor & HOD of Radio Diagnosis

Member

25. Dr. Suveer Sharma,
Professor & HOD of Anaesthesia, SMC&H.

Member  14/10/22

26. Dr. Anil Kumar Jain,
Professor & HOD of Orthopaedics, SMC&H

Member  14/7/22

27. Dr. Gaurav Dwivedi
Professor & HOD of Emergency Medicine

Member

28. Dr. Puja Malhotra
Prof & HOD of Prosthodontics, SDC&H.
29. Dr. Shweta Bali
Professor & HOD of Periodontics, SDC&H
30. Dr. Rajiv Ahluwalia
Professor & HOD of Orthodontics. SDC&H
31. Dr. Sumita Giri
Professor & HOD of Conservative Dentistry &
Endodontics, SDC&H
32. Dr. Amit Bihari Lal
Professor & HOD of Oral & Maxillofacial Surgery,
SDC&H
33. Dr. Nidhi Gupta
Professor & HOD of Paediatrics & Preventive
Dentistry, SDC&H
34. Dr. Mohit Dadu
Reader & HOD of Public Health Dentistry, SDC&H.
35. Dr. Neeraj Grover
Professor & HOD of Oral Pathology & Microbiology
36. Dr. Chandni Batra Bhakra
Department of Oral Medicine Diagnosis &
Radiology, SDC&H
37. Dr. Dakshina Bisht
Professor of Microbiology, SMC&H
Director, IQAC
38. Dr. Jyoti Batra,
Professor of Biochemistry, SMC&H,
Dean-Research
39. Dr. Geeta Gupta,
Professor of Microbiology, SMC&H

Member *Puja* 14/7/22

Member

Member *Rajiv* 14/7/22

Member

Member *Amit* 14/7/22

Member *Nidhi*

Member *Mohit* 14/7/22

Member *Neeraj* 14/7/22

Member

Member *Dakshina* 14/7/22

Member *Jyoti Batra* 14/7/2022



Member *Geeta* 14/7/2022

Member *26/7/2022*

Member *26/7/2022*

Member *26/7/2022*

Member *Shivani Bansal*

Member *Jyoti*

Member

Member

Member *Mayurika*

Member *Atish*

Member *Shikha*

Member *Debapriya*

Member *Shweta*

Member *14/7/2022*

Member *Ritu*

40. Dr. Veenu Agarwal,
Professor of Paediatrics, SMC&H.

41. Dr. Neelima Aggarwal
Professor of Obst. & Gynae., SMC&H

42. Dr. Amit Dwivedi
Professor of Orthopaedics

43. Dr. Shivani Bansal
Professor of Medicine, SMC&H

44. Dr. Jyostna Sharma,
Professor of Pharmacology, SMC&H

45. Dr. Ankita Aggarwal,
Assoc. Professor of Anaesthesia &
Dept. of Emergency Medicine

46. Dr. Swati Singh
Associate Professor of Pathology, SMC&H.

47. Dr. Mayurika Tyagi
Assoc. Professor, Dept. of Pathology, SMC&H

48. Dr. Atish Anand,
Assoc. Professor of Community Medicine, SMC&H.

49. Dr. Shikha Pawaiya,
Assoc. Professor of Ophthalmology

50. Dr. Debapriya Sarkar
Asst. Professor of Anaesthesia

51. Dr. Shweta Chaudhary,
Asst. Professor of Anatomy

52. Dr. Shilpa Singh,
Asst. Professor of Forensic Medicine, SMC&H

53. Dr. Ritu Jain,
Asst. Professor of Microbiology

54. Dr. Anupama Singh,
Asst. Professor of Community Medicine

Member

55. Dr. Preeti Ranjan Sinha,
Asst. Professor of Orthopaedics

Member

56. Dr. Ravindra Goswami,
Professor, Dept. of Endocrinology & Metabolism,
AIIMS, Ansari Nagar, New Delhi

Member

57. Dr. Pradeep Venkatesh,
Professor, Dept. of Ophthalmology,
AIIMS, Ansari Nagar, New Delhi

Member

58. Dr. M.S. Bhatia,
Director Professor & Head,
Department of Psychiatry,
University College of Medical Sciences
& GTB Hospital, New Delhi

Member

59. Dr. Gajendra Kumar Gupta
Controller of Examination
Santosh Deemed to be University

Member

60. Dr. Ezhilrajan K
Deputy Registrar
Santosh Deemed to be University

Member

61. Sh. V. Sampath
M-Block, Sector-12,
Ghaziabad, NCR Delhi

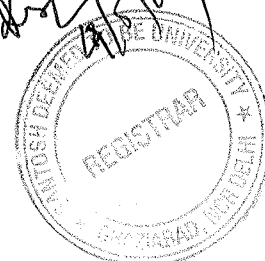
Member

62. Sh. D. Kannan
H-18, Santosh Nagar,
Ghaziabad, NCR Delhi

Member

63. Dr. Alpana Agrawal
Registrar, Santosh Deemed to be University

Ex-Officio Secretary



SANTOSH DEEMED TO BE UNIVERSITY

PRATAP VIHAR, GHAZIABAD, UP

MASTER OF SCIENCE IN MEDICAL LABORATORY TECHNOLOGY

PROPOSED GUIDELINE & SYLLABUS

EFFECTIVE FROM AUGUST (2021)

SESSION 2021-2022

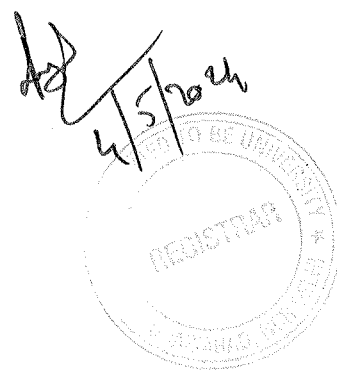
DURATION – 2 YEARS



DEPARTMENT OF PATHOLOGY

SANTOSH MEDICAL COLLEGE HOSPITALS

NO.-1, AMBEDKAR ROAD, GHAZIABAD, UP.



CONTENTS

Master in Medical Lab Technology (Pathology) M Sc. M.L.T. 1st YEAR

1. Human Anatomy & Physiology
2. Clinical Biochemistry
3. Clinical Pathology
4. Clinical Microbiology

Practical

1. Human Anatomy & Physiology
2. Clinical Biochemistry
3. Clinical Pathology
4. Clinical Microbiology

Master in Medical Lab Technology (Pathology) M Sc. M.L.T. 2ND YEAR

1. Clinical Hematology
2. Blood Transfusion & immune hematology
3. HistoPathology and histotechniques
4. cytopathology and cytotechniques

Practical

1. Blood Transfusion & Immunohematology
 2. Histopathology
 3. Cytopathology
 4. hematology
- Dissertation (Pathology) & Viva

M.Sc. (MLT) Pathology- scheme and syllabus

M Sc. M.L.T (PATHOLOGY)

PAPER:- HUMAN ANATOMY & PHYSIOLOGY

Anatomy

Syllabus:

UNIT-1 Introduction: Overview of the structure organization of the human body; anatomical terminology of positions & locations, planes.

Cell: Cell morphology and diversity; introduction to ultra structure and function of cell organelles.

Skeletal Muscles: Major skeletal muscles of the head, neck, thorax, abdomen and upper and lower limbs.

General Osteology: General morphology of bones; structural classification of bones, development and growth of skeletal tissue and bones.

General Astrology: Structural and functional classification of joints; general morphology of a synovial joint and associated structures; movements made available by synovial joints.

Detailed Osteology and Astrology Practical: Naming and identification of osteological features of individual human bones; Bones of Upper limbs – Clavicle, Scapula, Humerus, Radius, Ulna; Lower limbs – Femur, Hip bones, Sacrum, Tibia, Fibula, Ribs, Sternum Vertebral Column. Naming, identification and application of classification to the major joints of the human body; examples of variability in the human skeleton.

UNIT-2 Cardiovascular System: Macroscopic features, function and location of the adult and the location of major arteries and veins; macroscopic features of blood vessels including arteries, veins and capillaries; morphological features of the cellular components of blood.

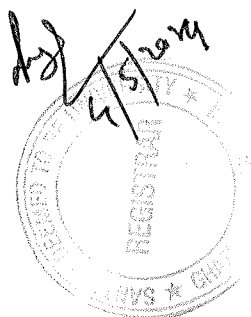
Lymphatic System: Macroscopic features, major function and location of the lymphatic vascular structures, lymph nodes, tonsils and other mucosa-associated lymphatic tissue, spleen and thymus; microscopic anatomy of lymph nodes.

Nervous System: Macroscopic features and major functions of the brain brief structure, location & function of cerebrum, cerebellum & brain stem and spinal cord; morphological features and major function of the contents of the peripheral nervous system and autonomic nervous system.

4

Respiratory System: Macroscopic features and major functions of the nasal cavity, paranasal sinuses, pharynx, larynx, trachea, bronchi, lungs and thoracic wall including the thoracoabdominal diaphragm.

Digestive System: Macroscopic features and major functions of the mouth, salivary glands,



pharynx, oesophagus, stomach, small and large intestines, liver pancreas, biliary system and peritoneal cavity.

UNIT-3 Urinary System: Macroscopic features, major functions and location of the kidneys, ureters, urinary bladder and the urethra.

Endocrine System: Macroscopic features, location and basic function of the hypothalamus cerebri, thyroid gland, parathyroid glands, suprarenal glands, pineal gland and organs with a minor endocrine function.

Male Reproductive System: Macroscopic features, Major functions and location of the scrotum, testes, epididymis, ductus deferens, inguinal canal, seminal vesicles, prostate gland, bulbourethral gland and penis.

Female Reproductive System: Macroscopic features, major functions and location of the ovaries, uterine tubes, uterus, vagina and external genitalia.

Special Senses: Macroscopic features and major functions of the contents of the orbital cavity, the eyeball, lacrimal apparatus, and external, middle and internal ear.

UNIT-4 Upper Limb: Relevant osteology; detailed plain radiographic anatomy of skeletally mature individuals.

Head and Neck: Relevant osteology of the skull and cervical vertebrae; surface anatomy, lymphatics major blood vessels and nerves of the head and neck; regional anatomy of the brain and its meninges.

UNIT-5 Histology: macroscopic and microscopic studies of epithelial tissue, general connective tissue, cartilaginous tissue, bone tissue, muscle tissue, nervous tissue and the integument; major functional advantages of each tissue type.

Anatomy Practical:

- Demonstration of bones identification and side determination upper limb-clavicle, scapula, humerus, radius, ulna, lower limb-femur, Hip bone, Tibia, Fibula, Vertebral Column, Ribs, Sternum, Sacrum
- Demonstration of heart.
- Demonstration of different parts of respiratory system and normal X-rays- lungs.
- Demonstration of the part of digestive system and normal X-rays- stomach, small intestine, large intestine, liver.
- Embalming of human cadavers for teaching purposes & social/ funeral embalming.
- Surface anatomy on cadaver.

5

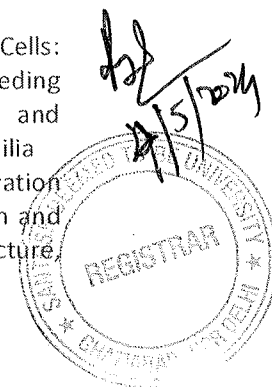
- Demonstration of major vessels of the body-Aorta, subclavian, carotid, brachial, radial, ulnar, femoral, renal.
- Demonstration of bones & joints of the limb in normal X-ray.
- Demonstration of major muscles of the body-limbs, head & neck.
- Demonstration of other organs—spleen, testis, uterus.
- Histology-General epithelium, connective tissue, gland, bone, cartilage lymphoid tissue Systemic-Lung, Esophagus, Stomach, Small Intestine, Pancreas, Liver, Kidney, Pituitary Gland, Thyroid, Testis, Ovary.

PARAMEDICAL SYLLABUS – PHYSIOLOGY (M.Sc.)

General Physiology: Cell: Structure and function of a cell, Transport across the cell membrane, Passive Transport: Diffusion (Simple and Facilitated), Osmosis (Osmotic pressure, Tonicity), Active transport: Primary (Na⁺K⁺ ATPase), Secondary, Carrier type (Uniporters, Symporters, Antiporters), Vesicular (Endocytosis and Exocytosis), Tissues: Definition and classification (Epithelial, Connective, Muscular, Nervous), Body water and body fluids: Distribution of total body water, Ionic composition of body fluids, Concept of pH and H⁺ concentration. The Membrane Potentials: Resting membrane potentials (Genesis & function), Action Potential

Blood: Composition and functions of blood, Hemoglobin (Normal values and time), Blood Cells: RBCs, WBCs, Platelets (Development, structure and functions), Coagulation of blood and bleeding disorders, Haemophilia, Purpura, Blood groups (ABO, Rh) Uses, Lymphoid tissues (types) and immunity, Immune system (Natural and Acquired), Applied: Anaemia (Types), Jaundice, Hemophilia

Gastrointestinal Tract: Organization of structure of GIT, Functions of digestive system, Innervation of GIT (Enteric Nervous System). Mouth (Oral Cavity): Boundaries, Tongue, Teeth, Composition and functions of saliva, Mastication (chewing), Swallowing (Deglutition) Stages. Stomach: Structure



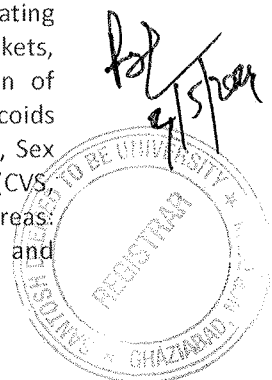
Functions of stomach and innervation, Composition and functions of gastric juice, Regulation of secretion of gastric juice, Gastric motility and emptying. Pancreas: Structure, Nerve supply, , Composition, functions and regulation of secretion of pancreatic juice. Liver: Structure, Functions and Liver function tests Bile: Composition, functions and control of secretion. Gall Bladder: Functions of gall bladder. Small Intestine: Intestine juice, Digestion and movements. Large Intestine: Structure, movements, absorption and secretion, dietary fibers. Digestion and absorption in GIT: Digestion and absorption of carbohydrates, lipids and proteins. Food and nutrition: constituents of a normal diet, Balanced diet, Applied aspect (Deficiency diseases, Kwashiorkor, Marasmus)

Respiratory System: Structure and functions of respiratory system, Air Passages: Nose and nasal cavity, pharynx, larynx, tracheobronchial tree, lungs, respiratory membrane, pleura, Properties of gases: Partial Pressure, composition of dry air, Functions of respiratory system: Lung defense mechanism and pulmonary circulation. Mechanics of respiration: Mechanism of breathing (Inspiration and Expiration), Alveolar Surface Tension (Action of surfactant), Alveolar Ventilation: Dead space (Anatomical and Physiological), Diffusion capacity of lungs (Clinical Significance), Lung volumes and capacities (Static: Tidal Volume, Residual Volume, Vital Capacity, Total Lung capacity; Dynamic: FEV1, FEV2, FEV3, Minute/Pulmonary Ventilation, Maximum Voluntary Ventilation). Transport of gases: Oxygen transport [Carriage of oxygen in blood; Dissolved form & combined with hemoglobin, Carriage of oxygen in the body; In tissues (At rest and during exercise), In lungs]. Carbon-di-oxide transport [Carriage of Carbon-di-oxide in blood; In dissolved form, carbamino form (In plasma and RBCs), as bicarbonate, Carriage of Carbon-dioxide in lungs], Oxygen hemoglobin dissociation curve (Shift to right & Shift to left). Regulation of respiration: Nervous Regulation of respiration [Automatic control via Medullary and Pontine Respiratory centers, Voluntary control of respiration], Genesis of respiration (Inspiration and Expiration), Factors affecting respiration [Chemical and non-chemical stimuli], Chemical Regulation of respiration [Peripheral chemoreceptors (Carotid bodies and Aortic bodies) and Central (Medullary) chemoreceptors]. Physio clinical aspects: Dyspnea, Apnea, Hypoxia

Cardiovascular System: General Cardiac chambers (Valves in the heart, Heart sounds, Pacemaker tissue of the heart), Properties of Cardiac Muscle, Cardiac Cycle, Electrocardiogram (ECG), Circulation: Functions, Pressure changes in vascular system, Organization and functions of vascular system, Distribution of major vessels in the body, Lymphatic system, Regulation of cardiovascular system; Local (Basic Myogenic tone), Systemic: Chemical, Neural (Autonomic and medullary; Baroreceptors and Chemoreceptors) Heart Rate: Definition, Factors affecting HR and its control, Cardiac Output: Definition, Distribution and control, Arterial Blood Pressure: Definition, factors affecting and regulation

Excretory System: Anatomy and Physiology of Urinary System, Kidney: Structure, Organization and functions of Glomerulus, Glomerular membrane, Blood supply Functions of kidney: Formation of urine, Regulation of water balance, Regulation of electrolyte balance, Regulation of acid-base balance, Endocrine functions of kidney, Urinary Passages: Ureters, Urinary Bladder (Structure and function, Higher control of micturition)

Endocrine System: Definitions, Control (Neural and endocrine), Characteristics of hormones, Pituitary Gland: Physiological anatomy (Anterior, intermediate and posterior lobe), Anterior Pituitary – Six Hormones (GH, PRL, TSH, ACTH, LH, FSH, Growth Hormone (GH): Control and actions, Applied (Gigantism, Acromegaly, Dwarfism), Prolactin (PRL): Control and actions of PRL, Posterior Pituitary, ADH (Anti diuretic hormone): Control of ADH secretion, Actions of ADH, Applied, Oxytocin: Actions and Control of oxytocin secretion, Intermediate lobe of Pituitary, MSH (Melanocyte stimulating hormone), Thyroid Gland: Physiological anatomy, Types of hormones (T3 and T4), Regulation of thyroid secretion, Actions of thyroid hormone: Calorigenic, On carbohydrate metabolism, On lipid metabolism, On growth and development, Effect on nervous system, Applied (Goiter, Hypothyroidism, Hyperthyroidism), Parathyroid, Calcitonin and Vitamin-D: Role of calcium in metabolic processes, Distribution, Absorption and fate of calcium in the body, Hormones regulating calcium metabolism (Vitamin-D, PTH, Calcitonin), Applied (Rickets, Osteomalacia & Adult Rickets, Hyperparathyroidism), Adrenal Cortex: Physiological Anatomy of adrenal gland, Regulation of glucocorticoid secretion, Actions of glucocorticoids, Cushing's Syndrome, Mineral corticoids (Aldosterone, Actions of aldosterone, Regulation of aldosterone secretion, Addison's Disease), Sex Hormones, Adrenal Medulla: Physiological Anatomy, Actions of catecholamines, Actions (CVS, carbohydrate metabolism, lipid metabolism, BMR, CNS, Eyes, Urinary bladder, skin), Pancreas: Physiological Anatomy, Glucagon, Insulin (Actions), Applied (Diabetes Mellitus; Causes, Signs and



- Determination of Clotting Time, Bleeding Time

PAPER:- CLINICAL BIOCHEMISTRY

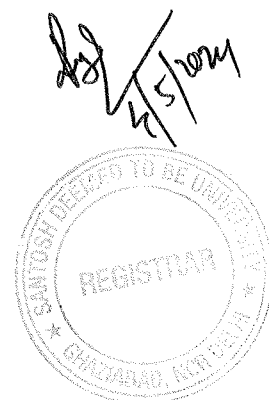
Syllabus

1ST YEAR:

- 1) **Cell and Membrane:** Basic structure and function of the cell. Structure of the cell membrane. Functions of the cell membrane Transport through the cell membrane: active, passive, facilitated. Membrane proteins and functions.
- 2) **Chemistry of Carbohydrates:** definition, classification. Isomerism, optical isomerism, Structural presentation of monosaccharide's, The various chemical reactions of carbohydrates and their derivatives. Disaccharides and polysaccharides, Metabolism.
- 3) **Chemistry of Lipids:** definition, Classifications, properties , classifications. Fatty acids types and uses, Glycerides, Phospholipids, Glycolipids, Ecosanides, Steroids, Cholestrol, Lipoproteins, Amphipathic lipids and lipid bi layer, Metabolism.
- 4) **Chemistry of Amino acids and proteins:** definition of amino acids, Classification based on structure, requirement, metabolic fate, solubility, Physical properties of Amino acids, Chemical properties of amino acids. iso electric pH. Non standard amino acids, Metabolism. Proteins: Definition, Structure, structural classification, Functional classification. Peptide bonds an structural Motifs in protein such as A helix, B pleated sheets etc, Reactions of proteins such as denaturation, heat coagulation, salting out, reaction with acids, reactions with alkali, precipitations by heavy metals, precipitations by organic solvents, precipitation by alkaloid reagents.
- 5) **Nucleotides and nucleic acids:** Nucleotides, Purines and Pyrimidines. Sugars in nucleotides, DNA structure, Coiling and packaging of DNA, Histones, Genes and chromosomes. RNA types and structure of RNA & Metabolism.
- 6) **Vitamins:** Fat soluble and water soluble vitamins, Uses of Vitamins, Deficiency disorders.
- 7) **Nutrition:** Diet, calculation of balanced diet, disorders of protein energy malnutrition.
- 8) **Water and electrolytes,** Acid Base balance: ECF, ICF, Intra cellular and extra cellular electrolytes. Dehydration. Acidosis, alkalosis, Buffers, Means of maintaining pH.
- 9) **Enzymes**
- 10) **Liver function test**
- 11) **Kidney function test**
- 12) **Thyroid function test**
- 13) **Molecular Biochemistry-** DNA Replication, Transcription & Translation, Regulation of Genetic expression
- 14) **Genetic Techniques;** PCR, gene therapy
- 15) **Hemoglobin metabolism**
- 16) **Hormones-** Mechanism of Hormone action.

Practical-Clinical Biochemistry

- Laboratory safety : Fire, chemical, radiation ,handling of biological specimens, waste
- Disposal regulations, workplace hazardous.
- Specimen collection, identification, transport, delivery and preservation.
- Patient preparation for tests.
- Anticoagulants' and preservatives
- Regulations and precautions regarding transport of biological specimens
- Preparation of high quality water
- pH determination
- Preparation of buffers and determination of pH
- Measurement of radioactivity
- Practical's related to solvent extraction, Partition coefficient, Dialysis, Concentration,
- Desalting and Ultracentrifugation.
- Calibration of equipments and laboratory wares.
- Familiarization and usage of Colorimetry, spectrophotometry, fluorimetry,
- flame photometry, atomic absorption spectroscopy, nephelometry, osmometry,
- Chemiluminescence, ion selective electrodes, flowcytometry.
- Chromatography : - Paper, Thin layer, Gel filtration, Ion exchange, HPLC, GLC,



symptoms), Thymus and Pineal Gland: Thymus: Functions, immunological role of thymus, Pineal gland: General features, Functions, control

Reproductive System: Physiology of reproduction: Sex determination and sex differentiation, Puberty: Control of onset and stages, reproductive hormones; Gonadotropin (FSH & LH), Male Reproductive System: Testis: Structure and functions, Spermatogenesis, Structure of the sperm, Seminal tract and related glands, supporting structure, seminal fluid (semen), Endocrine functions of testis (Testosterone, Control of testicular activity) Female Reproductive System, Female reproductive tract: Uterus and related structures, ovaries, ovarian hormones (Estrogen, Progesterone and Relaxin), Female Sexual Cycle: Changes in the ovaries and uterus (Menstrual cycle), Vagina and gonadotropin secretion Contraceptive measures

Central Nervous System: Organization and functions of nervous system Brain: Cerebral Hemisphere (Cerebrum), Basal Ganglia, Thalamus, Hypothalamus Brain stem: Midbrain, Pons, Medulla, Reticular formation, Cerebellum Spinal Cord: Structure and functions, Ascending (Sensory) tracts, Motor (Descending) tracts Cerebrospinal Fluid Peripheral Nervous system, Somatic Nervous System: Spinal nerves, Reflexes, Mono and Polysynaptic reflexes, Cranial nerves, Autonomic Nervous system (ANS): Sympathetic and Parasympathetic

Special Senses: The Smell: Olfactory receptors, Olfactory pathway, Physiology of olfaction, The Taste: Taste Receptors (Taste buds), Taste Pathway, Physiology of taste The Ear: Physiological Anatomy (External ear, Middle Ear, Inner ear, Cochlea), Physical Properties of sound, Mechanism of hearing, The Eye: Physiological Anatomy (Sclera, Choroid, Retina, Crystalline lens, photoreceptors), Visual Pathway, Image forming mechanism of eye, Visual Acuity, Visual reflexes, Accommodation, Defects of image forming mechanisms, Lacrimal Apparatus (Lacrimal gland, Lacrimal canaliculi, nasolacrimal duct, tears or Lacrimal fluid)

Skin and Temperature: Structure and function of skin, Temperature Regulation

Practical

Haemoglobinometry

- White Blood Cell count
- Red Blood Cell count
- Determination of Blood Groups
- Leishman's staining and Differential WBC count
- Determination of packed cell Volume
- Erythrocyte sedimentation rate [ESR]
- Calculation of Blood indices



Practical Clinical Pathology

- Examination of Urine - Routine and Special tests
- Examination of Stool - Routine and Special tests
- Examination of Sputum - Routine and Special tests
- Semen examination - Routine and Special tests
- Examination of CSF - Routine and Special tests
- Examination of various body fluids-Pleural Fluid, Pericardial Fluid, Synovial Fluid, Ascetic Fluid
- Various methods of detecting HCG levels
- Structure and molecular organization of Chromosomes
- Identification of human chromosomes
- Karyotyping
- Direct chromosome preparation of Bone Marrow cells
- Culture techniques
- Banding techniques
- Sex Chromatin bodies
- Autoradiography of human chromosomes
- Chromosome Identification by image analysis and Quantitative cytochemistry
- Clinical Manifestations of chromosome disorders
- Organization of Histology Laboratory

PAPER:- CLINICAL MICROBIOLOGY

CLINICAL MICROBIOLOGY

THEORY

UNIT I

GENERAL MICROBIOLOGY

1. History and Pioneers in microbiology
2. Microscopy
3. Morphology of bacteria and other microorganism
4. Nomenclature and classification of microbes
5. Growth and nutrition of bacteria
6. Sterilization and disinfection
7. Bacterial toxins
8. Bacterial genetics
9. Antibacterial substances used in the treatment of infection and drug resistance in bacteria
10. Bacterial ecology-Normal flora of human body, Hospital environment, Air, Water and Milk

UNIT II

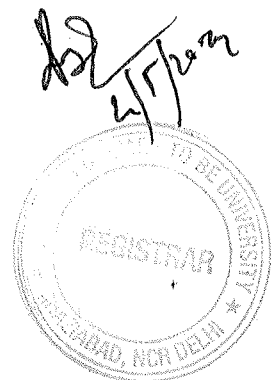
IMMUNOLOGY

1. Normal immune system
2. Innate immunity and acquired immunity
3. Antigens
4. Immunoglobulin
5. Complement
6. Antigen-Antibody reactions
7. Cell mediated immunity & humoral immunity
8. Hypersensitivity
9. Immunodeficiency
10. Auto-immunity

UNIT III

SYSTEMIC BACTERIOLOGY

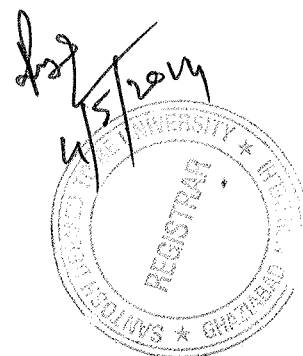
1. Isolation, description and identification of bacteria
2. Staphylococcus and Micrococcus
3. Streptococcus
4. Neisseria
5. Corynebacterium
6. Bacillus: The Aerobic spore bearing bacilli



- Separation of various sugars, amino acids, lipids, drugs toxins etc. Urine amino gram.
- Electrophoresis: - Paper, Agarose gel, Cellulose acetate, PAGE, SDS-PAGE. Separation
- of serum proteins, lipoproteins, haemoglobin, globin chain and isoenzymes
- Tissue homogenization and cell disruption
- Cell fractionation methods
- Extraction of glycogen and its estimation
- Extraction of protein and its estimation
- Extraction of lipids and estimation of total lipids, glycolipid, phospholipids and cholesterol.
- Determination of saponification number and iodine number from oils
- Estimation of lactic acid and pyruvic acid
- Qualitative analysis of carbohydrate
- Detection of unknown sugars
- Qualitative analysis of proteins
- Isolation of DNA and RNA
- Estimation of DNA and RNA
- Agarose gel electrophoresis of DNA

PAPER:- CLINICAL PATHOLOGY

- ☐ Examination of Urine - Routine and Special tests
- ☐ Examination of Stool - Routine and Special tests
- ☐ Examination of Sputum - Routine and Special tests
- ☐ Semen examination - Routine and Special tests
- ☐ Examination of CSF - Routine and Special tests
- ☐ Examination of various body fluids-Pleural Fluid, Pericardial Fluid, Synovial Fluid, Ascetic Fluid
- ☐ Various methods of detecting HCG levels
- ☐ Structure and molecular organization of Chromosomes
- ☐ Identification of human chromosomes
- ☐ Karyotyping
 - Direct chromosome preparation of Bone Marrow cells
 - Culture techniques
- ☐ Banding techniques
- ☐ Sex Chromatin bodies
- ☐ Autoradiography of human chromosomes
- ☐ Chromosome Identification by image analysis and Quantitative cytochemistry
- ☐ Clinical Manifestations of chromosome disorders
- ☐ Anemia and other disorders of Erythropoiesis
- ☐ Disorders of Leucopoiesis
- ☐ Homeostasis & its investigations
- ☐ Investigations of Thrombotic tendency
- ☐ Laboratory control of Anticoagulant , Thrombotic and platelet therapy
- ☐ Collection and handling of Blood
- ☐ All Routine and special Hematological Investigations
- ☐ Blood and Bone Marrow preparations
- ☐ Leucoproliferative disorders with special references to Leukemia
- ☐ Automation in Hematology
- ☐ Cytochemistry of Leukemic cells
- ☐ Amniocentesis
- ☐ Bone marrow transplantation
- ☐ Application of different Microscopes
- ☐ Preparations of various Reagents and Stains used in Hematology
- ☐ Immunophenotyping
- ☐ Flowcytometry
- ☐ Molecular techniques in Hematology



SKILLS TO ACQUIRE

BACTERIOLOGY

1. Aseptic practice in Lab and safety precautions
2. Washing and Sterilization of glasswares
3. Care and operation of microscopes viz. Dark ground, Phase contrast and Fluorescent microscope, (Electron microscope).
4. Operation and maintenance of Autoclave, Hot air oven, Distillation plants, Filters like Sietz and Membrane and sterility test and Testing of disinfectant-Phenol coefficient test and its uses.
5. Care and maintenance of common laboratory equipments
6. Collection of specimens for Microbiological investigations
7. Preparations of stains viz. Grams, Alberts, Capsules, Spores, Ziehl Neelsons, etc and performing of staining
8. Preparation and pouring of media- Nutrient agar, Blood agar, Mac Conkey agar, Sugars, Kligler iron agar, Robertson's cooked meat, Lowenstein Jensen, Sabouraud's
9. Preparation of reagents-Oxidase, Kovac, etc
10. Identification of bacteria of medical importance upto species level (except Anaerobes which could be upto generic level)
11. Preparation of antibiotics discs: performance of Kirby Bauer, Stokes, etc
12. Disposal of contaminated materials
13. Quality control of media, reagents, etc.
14. Techniques for Anaerobiosis

IMMUNOLOGY

1. Collection and preservation of serum.
2. Performance of common serological test
3. Immuno electrophoresis
4. ELISA
5. CD4
6. Skin test - Montoux test

MYCOLOGY

1. Collection and processing of clinical specimens for fungi.
2. Special techniques like Wood lamp examination, hair baiting techniques, slide cultures.
3. Stoke cultures maintenance

PARASITOLOGY

1. Examination of faeces for ova and cysts: Direct and Concentration method.
2. Egg counting techniques.
3. Examination of peripheral blood, Urine, CSF, and other fluids for parasites.
4. Permanent staining technique for parasites.

VIROLOGY

1. Preparation and identification of CPE in various tissue cultures.
2. Serological test for viral infections
3. Handling of experiment animals and collection of various samples for evidence of viral infections in animals.
1. Laboratory diagnosis of AIDS
2. Laboratory diagnosis of Hepatitis
3. Laboratory diagnosis of Dengue
4. Safety measures

PAPER:- CLINICAL HEMATOLOGY

1. Red Blood Cells :
 - a. Normal morphology count
 - b. Isolation from whole blood & count
 - c. Effect on count & morphology of physiochemical parameters & the diseased state
 - d. Red cell anomalies & their relevance w.r.t. normal & diseased state
2. Blood Transfusion :
 - a. Pre-requisitment & the complication of mis-matched transfusion.
 - b. Methods of blood matching

for 24/5/2017



7. Clostridium: The anaerobic spore bearing bacilli
8. Enterobacteriaceae
- 12
9. Vibrios and Campylobacter
10. Haemophilus and Bordetella
11. Brucella
12. Mycobacteria
13. Actinomyces and Nocardia
14. Pseudomonas
15. Spirochaetes
16. Chlamydiae
17. Rickettsiae
18. Mycoplasma & Ureaplasma

UNIT IV

VIROLOGY

1. Classification of viruses
2. Morphology, Virus structure
3. Viral replication
4. Pathogenicity of viruses
5. Bacteriophages
6. Pox viruses
7. Herpes viruses
8. Arboviruses
9. Orthomyxovirus
10. paramyxoviruses
11. Enteroviruses: Polio & other enteric viruses
12. Hepatitis viruses
13. Rabies viruses
14. Human immunodeficiency viruses

UNIT V

PARASITOLOGY

1. Protozoan parasites of medical importance
Entamoeba, Giardia, Trichomonas, Leishmania, Trypanosoma, Plasmodium, Toxoplasma, Pneumocystis Carinii
2. Helminths: All those medically important helminths belonging to Cestodes, Trematodes and Nematodes
Cestodes: Diphyllbothrium, Taenia, Echinococcus, Hymenolepis,
Nematodes: Trichuris, Trichinella, Strongyloides, Ancylostoma, Ascaris, Enterobius, Filarial worms, Dracunculus medinensis, etc.

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UNIT VI

MYCOLOGY

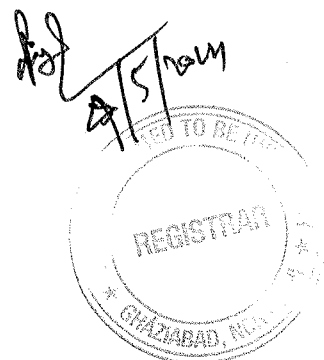
1. The morphology and reproduction in fungi
2. Classification of fungi
3. Opportunistic fungi
4. Superficial mycotic infections
5. Fungi causing subcutaneous mycoses
6. Fungi causing systemic infections
7. Laboratory diagnosis of fungal infections

UNIT VII

CLINICAL MICRO BIOLOGY

1. Laboratory diagnosis of Meningitis, Lower respiratory tract infection, Upper respiratory infection, Genital tract infection.
2. Gastroenteritis
3. Blood stream infection
4. Hospital acquired infection and Biomedical waste management

Practical



- Automation in Haematology
- Cytochemistry of Leukaemic cells
- Amniocentesis
- Bone marrow transplantation
- Application of different Microscopes
- Preparations of various Reagents and Stains used in Haematology
- Immunophenotyping
- Flowcytometry
- Molecular techniques in Haematology

PAPER :- Blood Transfusions & IMMUNOHEMATOLOGY

Unit I Reception, labeling and recording of laboratory investigations

Cleaning of glassware, pipettes, E.S.R. tubes and counting chambers

Preparation of capillary pipette, distilled water, reagents, buffers

Unit II Collection of blood, preparation of blood smear, staining of blood and bone marrow smears.

Unit III Measurement of hemoglobin, counting of leucocytes, erythrocytes, platelets and reticulocytes.

Recognition of blood cells in peripheral blood smears

Unit IV Determination of haematocrite and E.S.R., preparation of haemolysate and determination of alkali resistant

hemoglobin, paper electrophoresis of hemoglobin.

Test for sickle celling, bleeding time, coagulation time, prothrombin time, and kaolin cephalin clotting time.

Unit V Abo blood grouping and Rh typing

Performance of direct and indirect coombs test, red cell agglutination test (screening Paul bunnell test).

Unit VI Preparation for the demonstration of L.E. Cell phenomenon.

Unit VII Blood donor selection & screening

Blood collection and preservation, principal of clearing and preparing transfusion bottle and tubing sets – preparation and composition of anticoagulant – preservative solutions.

Unit VIII Transfusion reaction and their investigations

Immunohematology

1 Blood & blood group antigens: General characteristics of ABO, Lewis, Rh, Mn & Xg antigens.

Leucocyte & platelet & is antigens. Blood transfusion, Erythroblastosis fetalis.

2 Molecular structure of hemoglobin. Genetic significance of Hemoglobin, structural variation, chemical & biochemical characteristics of Hemoglobin biosynthesis.

1. Blood Grouping

- Introduction
- Human Blood Group system
- ABO Subgroups
- Red Cell Antigen
- Natural Antibodies
- Rh. System
- Rh. Antigens & Rh Antibodies
- Hemolytic Diseases of New born & Prevention
- Principal of Blood grouping, antigen-antibody reaction.
- Agglutination, Haemagglutination, Condition required for antigen antibody reaction
- Blood grouping techniques-Cell grouping, Serum grouping
- Method for ABO grouping Slide & Tube Method Cell grouping Serum grouping Rh grouping by slide & tube method
- Difficulties in ABO grouping
- Rouleaux formation how it interfere with Blood grouping
- Auto agglutinins.
- Antiserum used in ABO test procedures, Anti-A, Anti-B, Anti-AB Antiserum
- Inheritance of the Blood groups;
- Control A & B Cells preparation Auto Control
- Medical applications of Blood groups

2. Blood Transfusion



3. White blood cells & platelets;-

- a. Morphology count & methods of isolation
- b. Effect on count & morphology of cell by the physiochemical parameters, diseased. State & the relevance of condition of the diseases

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1. Anaemia's :

- a. Definition (in general) & courses
- b. Types of anemia & their classification
- c. Physiochemical, characteristic features & etiology of a plastic anemia, hemolytic, megaloblastic
- d. Clinical features & diagnosis

5. Leukaemia

- a. Definition (in general) & their etiology
- b. Classification of leukaemia
- c. FAB classification
- d. Etiologies, physiochemical features of different type of leukaemia, with reference to clinical states

e. Diagnosis of different types of leukaemias

6. Coagulation studies;

- a. General pathway (intrinsic & extrinsic)
- b. Properties (physiochemical) mode of action of coagulation factors
- c. Platelet studies, platelet function tests (for different Coagulation factors) > Effect of promoters & inhibitors at different steps in coagulation, their solution & mode of action.
- d. Diseases associated with coagulation disorders, their etiology & characteristics features.

7. Red Cell mass studies'

- a. Chemical method & radioactive methods
- b. Red Cell function studies

☐ Anaemia and other disorders of Erythropoiesis

☐ Disorders of Leucopoiesis

☐ Haemostasis & its investigations

☐ Investigations of Thrombotic tendency

☐ Laboratory control of Anticoagulant, Thrombotic and platelet therapy

☐ Collection and handling of Blood

☐ All Routine and special Haematological Investigations

☐ Blood and Bone Marrow preparations

☐ Leucoproliferative disorders with special references to Leukaemias

☐ Automation in Haematology

☐ Cytochemistry of Leukaemic cells

☐ Amniocentesis

☐ Bone marrow transplantation

☐ Application of different Microscopes

☐ Preparations of various Reagents and Stains used in Haematology

☐ Immunophenotyping

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☐ Flowcytometry

☐ Molecular techniques in Haematology

Practical- Clinical Hematology

- Haemopoiesis
- Anaemia and other disorders of Erythropoiesis
- Disorders of Leucopoiesis
- Haemostasis & its investigations
- Investigations of Thrombotic tendency
- Laboratory control of Anticoagulant, Thrombotic and platelet therapy
- Collection and handling of Blood
- All Routine and special Haematological Investigations
- Blood and Bone Marrow preparations
- Leucoproliferative disorders with special references to Leukaemias



- Principal & Practice of blood Transfusion
- Blood Transfusion service at District Level
- Guide lines for the use of Blood Appropriate use of Blood Quality Assurance
- Antilogous Blood Transfusion practices.
- Objectives of Quality Assurance in Blood Transfusion services, Standard operating procedures for usage, donation & storage of blood screening of donor compatibility testing, safety procurement of supplies.

3. Blood Donation

- Introduction
- Blood donor requirements
- Criteria for selection & rejection
- Medical history & personal details
- Self-exclusion
- Health checks before donating blood
- Screening for TTI

4. Blood Collection

- Blood collections packs
- Anticoagulants
- Taking & giving sets in Blood transfusion
- Techniques of collecting blood from a donor
- Instructions given to the donor after blood donation
- Adverse donor reaction

5. Testing Donor Blood

- Screening donor's blood for infectious agents –HIV, HCV, HBV, Trepanoma palladium, Plasmodium HTLV.
- Bacterially contaminated Blood

6. Blood Donor Records

- Blood donation record book
- Recording results.
- Blood donor card

7. Storage & Transport

- Storage of blood
- Changes in blood after storage
- Gas refrigerator
- Lay out of a blood bank ref refrigerator
- Transportation

8. Maintenance of Blood Bank Records

- Blood bank temperature sheet
- Blood bank stock sheet
- Blood transfusion request form.

9. Compatibility Testing

- Purpose
- Single tube compatibility techniques using AHG reagent
- Emergency compatibility testing
- Difficulties in cross matching
- Labeling & Issuing cross-matched blood

10. Blood Components

- Collection of blood components of fractional transfusion
- Platelets packed Red Cell Platelet rich Plasma, Platelets concentrate
- Preparation of concentrated (packed) Red Cells
- Techniques of preparation.

11. Blood Transfusion Reaction

- Investigation of a Transfusion reaction
- Hemolytic transfusion reaction
- Actions to take when transfusion reaction occurs.

Practical Blood Transfusion

- Blood Bank Administration



a) Record Keeping

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b) Computerization in blood transfusion services.

c) Blood grouping ABO

d) PH typing various techniques.

- **Cross Matching**

a) Tube test

b) Slide Test

c) DU Test

d) Sub Grouping Test

- **Coomb's Test**

a) Direct comb's test

b) Indirect comb's test

- Compatibility testing for blood transfusion cross matching test.

a) 5% cell suspension and 10% cell suspensions.

b) HIV and AIDS demonstration

- Haemopoiesis

- Anaemia and other disorders of Erythropoiesis

- Disorders of Leucopoiesis

- Haemostasis & its investigations

- Investigations of Thrombotic tendency

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- Immunophenotyping

- Flowcytometry

- Molecular techniques in Haematology

PRACTICAL

1. Basic Hematological Techniques, Characteristic of good technician, Preparation of specimen collection material, Lab. Request from, Basic steps for drawing a blood specimen by vein puncture. Complication of vein puncture, Patient after care, Specimen rejectin criteria for blood specimen, Hemolytic of blood, Blood collection by skin puncture (Capillary Blood), Arterial puncture, Deciding specimen types and selection of , Anticoagulant-EDTA, Citrate, Oxalate, Heparin, sodium fluoride., Separation of serum, Separation of plasma, Changes in blood on keeping, Maintenance of specimen identification, Transport of the specimen, Effect of storage on Blood Cell Morphology,

1. Universal precautions.

2. Basic requirements for hematology laboratory

3. Glassware's for Hematology

4. Equipments for Hematology

5. Anticoagulant vial preparation

6. Complete Blood Counts

7. Determination of Hemoglobin

8. TRBC Count by Hemocytometers

9. TLC by Hemocytometer

10. Differential Leukocyte count

11. Determination of Platelet Count.

12. Determination of ESR by win robes

13. Determination of ESR by Wintergreen's Method



14. Determination of PCV by Wintrobe's
15. Erythrocyte Indices-MCV, MCH, MCHC
16. Reticulocyte Count
17. Absolute Eosinophil Count
18. Morphology of Red Blood Cells
19. Blood grouping & Cross Matching
20. Reserves grouping
21. Antiglobulin test
22. Rh. Typing
23. Donor Blood Connection Techniques
24. Laboratory in Good Criteria for Safe Blood Collection, Quality control in Blood Banks. Risk assessment for AIDS and Serum hepatitis.
24. Basic knowledge of disease transmissible disease example HIV, Serum hepatitis B and C, VDRL, and Malaria

Paper:- Histopathology

Introduction to Histology, the cell, cell Organelles, nucleus, cell division, tissues, fresh & fixed tissues.

Different types of Embedding Viz. Wax, Resin, and Cryostat etc. Basic Cytology

Theory of Histopathology Reception of specimens, Histopathology of Tumor cell, Histopathology of Liver Kidney Adrenal Ovary Testis.

Fixation of tissue, different kind of fixatives, simple fixative, compound fixative, formaldehyde, mercuric chloride, osmium, Picric acid, alcohols, other acids, formalin, buffered formalin, osmic acid, Zenker's soln, Helly's soln, cytological fixatives, nuclear fixatives, fixation of smear etc., decalcification, method of decalcification, assessment of decalcification, soln for decalcification.

Processing of tissue, dehydration, impregnation in the wax, manual and automatic tissue processor, gelatin embedding, celloidin embedding, double embedding, cytological fixatives, preparation of different smears, vaginal, sputum, membrane.

Microtome, instrument, principle, use in section cutting, parts and working of commonly used microtome, different kinds of microtome, rotary, base sledge, sliding, low temperature microtome, cryostat, microtome knives, honing and stropping knives.

Section cutting of paraffin sections, section preparation from frozen sections, fixing of tissue to slide, preparation of celloidin section and fixation. Staining techniques, natural dyes, synthetic dyes, basic and acidic dyes, haematoxylin staining, Pap, flicker & Conn, methanamine silver nitrate, ziehl neelsen's stain, propylene glycol sudan technique, papanicolaou, harris's alum, Haematoxylin, acridine orange technique.

Unit I: Handling of fresh histological specimen (tissues) cryo/frozen sections of fresh and fixed tissues freeze drying Lipids identification and demonstration Micro organisms in tissues various staining technique for their demonstration and identification Nucleic acids DNA and RNA special stains and procedures Cytoplasm constituents and their demonstration Cervical cytology basis of detection of malignant and premalignant lesions Hormonal assessment with cytologic techniques and sex chromatin and pregnancy tests Cells and organs of immune system Immunoglobulin's antibodies and humoral immune response Allergy Rheumatological diseases and investigations.

Unit II Method of preparing stains

Method of preparing stains & Fixatives. Theory of Tissue processing and embedding, Theory of H & E staining.

Unit III Use Microtome Tissues section

Introduction, cutting Embedding and preparation of blocks Fixation of Tissue with DPX mount Theory of frozen section preparation.

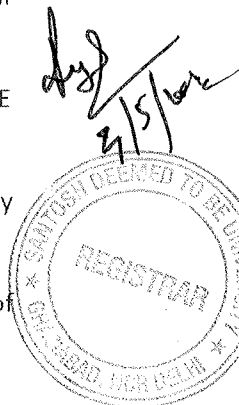
Unit IV Preparation of smear

Preparation of smear for Fine needle aspiration cytology Pap's smear theory and identification of cells in a normal vaginal smear.

Unit V Stool examination

Normal abnormal constituent.

Normal and abnormal constituent of Urine, Normal and abnormal constituent of amniotic fluid Normal and abnormal constituent of Semen analysis.



Equipment used in histopathology, their merits and demerits and care to be taken:

- a. Tissue processor
- b. Microtome
- c. Knife sharpener
- d. Automatic slide strainer
- e. Knives
- f. Freezing microtome cryostat
- g. Hot plate
- h. Water bath
4. Decalcification-method, advantage and disadvantage of each method.
5. Frozen section and Cryostat techniques, staining and mounting technique morbid anatomy
6. Tissue processing-fixation Dehydrate, clearing impregnation in paraffin. Making of paraffin block and section cutting errors in section cutting and there correction.
7. Preparation of different types special stains. Histo-chemical and Cyto-chemical techniques
Immune
Cytochemical staining.

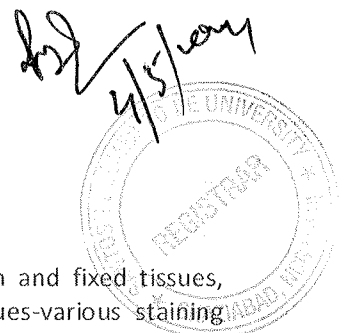
Practical

- Organisation of Histology Laboratory
- Histological equipments
- Reception and recording of tissue specimen
- Tissue processing and Microtomy including frozen
- Theory of staining
- Preparation and quality control of all routine and special stains used in istopathology
- All staining techniques and their interpretation
- Immunohistochemistry
- Molecular markers of malignant neoplasms
- Molecular techniques
- Immunofluorescent techniques
- Enzyme histochemistry
- Museum techniques
- Autopsy Techniques
- Automation in Histological Techniques
- Histopathology, Reception of specimens, Histopathology of Tumor cell
- Histopathology of Liver, Kidney, Adrenal, Ovary, Testies
- Method of preparing stains & Fixatives.
- Use of Microtome, Tissue section cutting
- Embedding and preparation of blocks
- Fixation of Tissue with DPX mount
- Reception and recording of tissue specimen
- Tissue processing and Microtomy including frozen
- Theory of staining
- Preparation and quality control of all routine and special stains used in Histopathology
- All staining techniques and their interpretation
- Immunohistochemistry
- Molecular markers of malignant neoplasms
- Molecular techniques
- Immunofluorescent techniques
- Enzyme histochemistry
- Museum techniques
- Autopsy Techniques
- Automation in Histological Techniques

Paper:- CYTOLOGY

Cytology

Handling of fresh histological specimen (tissues) cryo/frozen sections of fresh and fixed tissues, freeze drying Lipids identification and demonstration Micro-organisms in tissues-various staining



technique for their demonstration and identification Nucleic acids, DNA and RNA special stains and procedures Cytoplasmic constituents and their demonstration.

Cervical cytology-basis of detection of malignant and premalignant lesions.

Humoral assessment with cytologic techniques and sex chromatin and pregnancy test.

Cells and organs of immune system Immunoglobulins, antibodies and humoral immune response

Allergy Rheumatologic diseases and investigations.

Tissues requiring special treatment i.e. eye ball Bone marrow biopsy under calcified bones.

Neuropathology techniques Enzyme histochemistry demonstrations of phosphatases dehydrogenases oxidases and peroxidases etc.

Electron microscope working principles components and allied techniques for electron microscopy ultra-microtomy Museum techniques Aspiration cytology principles indications and utility of the techniques with special emphasis on role of cytotechnician in FNAC clinics Infection and immune system Cancer Immunology

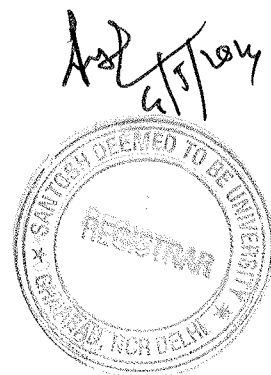
Tissue typing for kidney transplant

Practical cytology

- Morphology and Physiology of cell
- Cytology of
 - Female genital Tract
 - Urinary Tract
 - Gastrointestinal Tract
 - Respiratory Tract
 - Effusions
 - Miscellaneous Fluids
- Collection, Preservation, Fixation and Processing of various Cytological Specimen
- Preparation and Quality control of various stains and reagents used in cytology
- All routine and special Staining techniques in cytology
- FNAC
- Immunocytochemistry
- Automation in Cytology

Dissertation

☐ Viva- voce: -



SANTOSH DEEMED TO BE UNIVERSITY

PRATAP VIHAR, GHAZIABAD, UP

MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY

PROPOSED GUIDELINE & SYLLABUS

EFFECTIVE FROM AUGUST (2021)

SESSION 2021-2022

DURATION – 2 YEARS



DEPARTMENT OF PSYCHIATRY

SANTOSH MEDICAL COLLEGE HOSPITALS

NO.-1, AMBEDKAR ROAD, GHAZIBAD, UP.

RESTRUCTURED SYLLABUS-MSc- CLINICAL PSYCHOLOGY

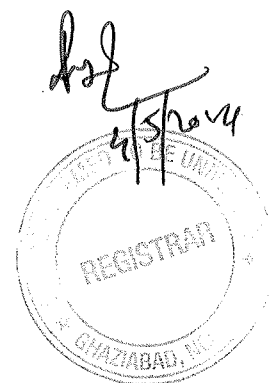
This is two (2) years PG course, comprises of eight (8) papers

MSc-1ST yr. There will be four (4) papers & in 2nd yr. again there will be four papers.

Each paper will consist of two sections (A & B). Each section will comprise of 50 marks therefore as a whole each paper will be of 100 marks.

Structuring is as follows:

SNO	PAPERS-FIRST YR	MARKS	SNO	PAPERS-SECOND YR	MARKS
1.	Applied Psychology (Abnormal Psychology, Clinical Psychology, Cognitive Psychology & Neuropsychology)	100	5.	Psychotherapy & Educational Psychology & (Slow Learning & Learning Disability)	100
2.	Bio- Psycho-Social Perspective of Behaviour & Personality Orientation	100	6.	Community Psychology	100
3.	Life Span & Development of Behaviour & Social Psychology (Advanced)	100	7.	Mental Health Healing Practices, Rehabilitation & Stress Management	100
4.	Research Methodology & Statistics	100	8.	Elective Paper (any one) A. Clinical Psychology B. Counselling Psychology C. Industrial/ Organisational Behaviour	100 (Internal)



DETAILS OF EACH PAPER ARE AS UNDER:

COURSE	FIRST YEAR	T	P	C/ Pr /A
PAPER-1	APPLIED PSYCHOLOGY (ABNORMAL PSYCHOLOGY, CLINICAL PSYCHOLOGY, COGNITIVE PSYCHOLOGY & NEUROPSYCHOLOGY) & PSYCHOPATHOLOGY (100 HRS) (100 MARKS)			
	<u>SECTION-A (50 HRS) (50 MARKS)</u>			
UNIT I	BACKGROUND: Defining Psychology, Origin, Nature, Scope & Its Application,			
Unit II	KEY CONCEPTS: Attention, Perception, Learning, Memory, Intelligence, Thinking, Emotions & Motivation.			
UNIT III	EXECUTIVE FUNCTIONING: Orientation & Application in Clinical Practices		1	
UNIT IV	ABNORMAL PSYCHOLOGY, CLINICAL PSYCHOLOGY & COGNITIVE PSYCHOLOGY- <ul style="list-style-type: none"> • Different Approaches • Different Assessment. • Role of clinical psychologist • Courses & Job opportunities 			A
UNIT V	NEURO-PSYCHOLOGY & NEURO-PSYCHOLOGICAL REHABILITATION: <ol style="list-style-type: none"> Conceptual orientation, assessment & diagnosis Neuro psychological rehabilitation in following condition: <ul style="list-style-type: none"> Head injury trauma (chronic) Psychological disorder in neuro-psychological rehabilitation & neuro-biofeedback.		1	C
	<u>SECTION- B-(50 HRS) (50 MARKS)</u>			
	PSYCHOPATHOLOGY			



UNIT VI	PSYCHOPATHOLOGY: 1. a. Classification & Theoretical Model a) Approaches in Psychopathology b) Psychodynamic & Phenomenological Approach, c) Descriptive approach d) Interruptive approach e) Experimental approach 1. Definition of Mental Health Disorder 2. Sign & symptoms of various psychological disorders 3. System Of Classification (ICD-10, DSM-V) 4. Approaches to clinical case formulation, principal & provisional diagnosis based on classification system (ICD-10 & DSM-V)	1		2C
UNIT VII	PSYCHOPATHOLOGY & NEURO-COGNITIVE DISORDER: characteristics, Sign & symptoms & etiology: a. Dementia b. Delirium c. Head injury d. Epilepsy Amnesia			2C
UNIT VIII	PSYCHOPATHOLOGY & BEHAVIOURAL DISORDER DUE TO PSYCHO-ACTIVE SUBSTANCE USE: Alcohol, opioid, cannabinoids, cocaine, stimulants, hallucinogens, tobacco, volatile, solvents & multiple drug use.			
UNIT IX	PSYCHOPATHOLOGY OF THOUGHT DISORDER: Schizophrenia, schizotypal & delusional disorder			
UNIT X	MOOD & AFFECTIVE DISORDER			
UNIT XI	PSYCHOPATHOLOGY OF NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS:			
UNIT XII	<ul style="list-style-type: none"> • Personality disorder • Mental retardation, Slow learning & Childhood disorder • ADD, ADHD, Conduct Disorder 			

HELP READING:

FOR SECTION-A

Text Books:

1. Baron, R.A. (2004). *Psychology*, 5th ed. New Delhi: Pearson education
2. Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (1993). *Introduction to Psychology*, 7th ed. New Delhi: Tata McGraw Hill.

Reference Book



1. Bootzin, R., & Bower, G.H. (1991). *Psychology today- An Introduction*. 7th ed. New York: Mc Graw Hill Inc.
2. Coon, D. (1983). *Introduction to Psychology: Exploration and Application*. New York: West Publishing Co.
3. Feldman, R. (2011). *Understanding Psychology*, 10th edition. New Delhi: Tata McGraw Hi
4. Santrock, J.W. (2006). *Psychology Essentials* (Updated 2nd ed.). New Delhi: Tata McGraw Hill.
5. Coon, D., & Mitterer, J.O. (2007). *Introduction to Psychology* (11th ed.). New Delhi: Cengage Learning India Pvt Ltd.
6. Synder. C.R., Lopez, S. J., & Pedrotti, J.T. (2011) *Positive Psychology – The scientific and practical explorations of human strengths* (2nd Ed). New Delhi: Sage Publications.
7. Baumgardner, S.R., & Crothers, M.K. (2015). *Positive Psychology*. New Delhi. Dorling Kindersley (India) Pvt Ltd

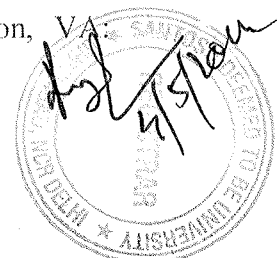
FOR SECTION B

Text Books:

1. Blaney, PH, Krueger RF & Million T. (2015). *Oxford Textbook of Psychopathology*, III Ed. London: Oxford University Press.
2. Sarason, I.G., & Sarason, B.R., (2005) *Abnormal Psychology- The problem of Maladaptive behavior*. India: Dorling Kindersly.
3. Colman Abnormal psychology
4. Page Abnormal Psychology

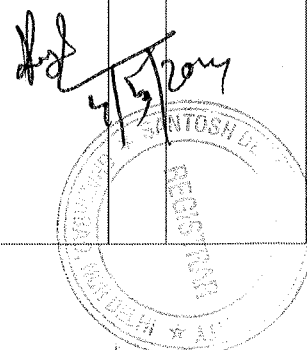
Reference Books:.

1. ICD-10 International Classification of Disorders: WHO
2. Fish Psychopathology
3. Casey p & Kelly B (2007). *Fish's Clinical Psychopathology- Signs and Symptoms in Psychiatry*, III Ed. Gaskell.
4. Sadock, B.J., & Sadock, V.A. (2007) (2003). *Kaplan & Sadock's Synopsis of psychiatry: Behavioural sciences/clinical psychiatry* (9th. Ed.). Philadelphia: Lippincott Williams & Wilkins.
5. Ahuja N (2002). *A short text book of Psychiatry* (5th edition). New Delhi. Jaypee Brothers.
6. Hecker, S.E. & Thorpe, G.L. (2005). *Introduction to clinical psychology: Science, practice & ethics*. Delhi: Pearson Education, Inc.
7. *Diagnostic and Statistical Manual of Mental Disorders: DSM-5*. Arlington, VA: American Psychiatric Publishing, 2013.



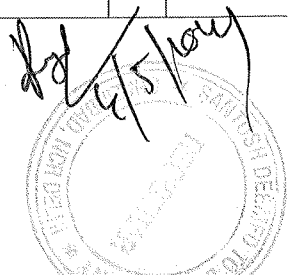
8. Barlow, D. H., & Durand, V.M. (2015). Abnormal Psychology. An Integrative Approach. 7th edition. New Delhi. Cengage Learning India Private Ltd.
9. Nolen-Hoeksema, S. (2017) Abnormal Psychology. 7th Edition. New York. McGraw Hill
10. Butcher, J.N., Hooley, J.M., & Mineka, S. (2013). Abnormal Psychology. 16th Edition. Upper Saddle River. Pearson Education Inc.
11. American Psychiatric Association. (2013). Diagnostic and statistical manual of mental disorders (5th ed.).

COURSE	FIRST YEAR	T	P	C/P/ A
PAPER-2	BIO- PSYCHO-SOCIAL PERSPECTIVE OF BEHVAIOR & PERSONALITY ORIENTATION (100 HRS) (100 MARKS)			
	SECTION A (50 HOURS) (50 MARKS)			
	BIO- PSYCHO-SOCIAL PERSPECTIVE OF BEHVAIOR			
UNIT I	Bio-psychosocial basis of behaviour in terms of aetiology (predisposing, precipitating & perpetuating factors in combination) (Heredity & Constitutional Factors)			
UNIT II	ANATOMY AND FUNCTIONAL STATUS OF NERVOUS SYSTEM: <ol style="list-style-type: none"> a. Structure of neuron, Types of neurons, Functions of neurons, Synapse & Neuronal Conduction. b. Synaptic conduction & neurotransmitters c. Brain Lobes: frontal, temporal, & occipital. d. Brain: forebrain, midbrain, hindbrain, cerebellum, Cerebra & Cerebral cortex. e. Central nervous System: Brain & Spinal Cord. f. Peripheral Nervous System: Somatic Nervous System & autonomic Nervous System, Sympathetic Nervous System & Parasympathetic Nervous System. g. Endocrine Nervous System. 			
UNIT III	ATTENTION: <ol style="list-style-type: none"> a. Sensation & Threshold b. Vigilance, distraction, fluctuation, common sensical errors & effect of anxiety & attention. c. Perception: perception & its relation with sensation & attention. d. Synaesthesia, Subliminal perception. Perceptual constancy & the dimensional perception. e. Perception: depth, time, visual and auditory Perception. f. Haptic Perception (touch). 			2C



	g. Subliminal perception. Agnosia.			
UNIT IV	A. PSYCHOLOGICAL PERSPECTIVE- Personality, Parenting & Development, Adjustment & Stress B. SOCIAL PERSPECTIVE -family, neighbour, school & other environmental variables		2	
UNIT V	META-COGNITION: a. Concept of meta-cognition. b. Meta-cognition & learning difficulties issues in meta-cognition. c. Individual differences in meta-cognition.			
	SECTION B (50 HOURS) (50 MARKS)			
	PERSONALITY ORIENTATION			
UNIT VI	a. Introduction b. Definition of personality c. Personality & self –the difference Relevance of personality in clinical psychology.			
UNIT VII	DYNAMIC THEORIES OF PERSONALITY: a. Sigmund Freud b. Alfred Adler c. Caren Henry d. Eric fromm			
UNIT VIII	TRAITS (DISPOSITIONAL) & DIMENSIONAL APPROACHES OF PERSONALITY: a. Allport b. Eysenck c. Cattell R.B d. McCrae and Costa e. Single trait approach (Type-A, Type-B, Type-c, Type-D etc.)			
UNIT IX	BEHAVIOURAL APPROACHES TO PERSONALITY a. Pavlov b. Skinner c. Mowrer d. Hull			
UNIT X	HUMANISTIC /EXISTENTIAL a. Carl Rogers b. Abraham Maslow c. May Frankel			
UNIT XI	OTHER THEORIES IN PERSONAL CONTRACT a. Gestalt Theory b. Personal Construct Theory			
UNIT XII	ASSESSMENT OF PERSONALITY a. Conscious (rating scale, inventories, questionnaire & schedule) b. Unconscious (Projective tests methods of assessment)		2 + 2	

FOR SECTION A



HELP READINGS:

1. Schneider M Alles (1990). An introduction to Physiological Psychology (3rd Edition) USA: Random House.
2. Walsh K. (2008). Neuropsychology. New Delhi: B.I. Churchill Livingstone Pvt. Ltd
3. Golden, C.J. & Charles, C.T. (1981). Diagnosis & Rehabilitation in clinical neuropsychology. New York: Spring Field.

Reference Books

1. Kolb, B. & Whishaw, I.Q. (2007). Fundamentals of human neuropsychology (6th ed). New York: Worth Publishers.
2. Kandel, E.R. Schwartz, J.H. & Jessel, T.M. (2000). Principles of neural science (4th.ed.). New York: McGraw-Hill.
3. Leukel, F. (1985). Introduction to physiological psychology (3rd.ed.). New Delhi: CPS Publishers.
4. Kalat, J.W. (2013). Biological Psychology. 11th edition. Cengage Learning.

FOR SECTION B

HELP READING:

Text Books:

1. Schultz D. P. & Schultz S. E(2017), Theories of Personality (10th Edn). Wadsworth Cengage Learning.
2. Hall, C. S., Lindzey, G., & Campbell, J. B. (1998). *Theories of personality*. New York: J. Wiley & Sons.

Reference Books:

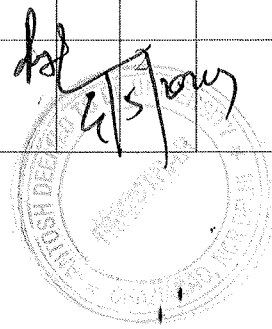
1. Pervin, Oliver P. John - (1999) *Handbook of Personality: Theory and Research*, Guilford Press.
2. Allen (1997) Personality Theories, Development, Growth & Diversity. 2nd edition. Allyn& Bacon
3. Friedman (2003) Personality: Classic Theories and Modern Research. 2nd Edition: Pearson Education.
4. Freeman, F.S.(1971). Theory and Practice of Psychological Testing (3rd ed.).New Delhi: Oxford and IBH publishing Co.

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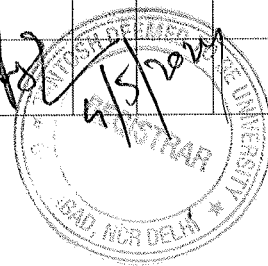
5. Ewen, R.B. (2010) An Introduction to theories of personality. 7th edition. USA Taylor & Francis group
6. Schultz, D.P. & Schultz, S .E. (2005). Theories of personality. 8th edition. New Delhi: Cengage Learning India Private Ltd.



COURSE	FIRST YEAR			
PAPER-3	LIFE SPAN & DEVELOPMENT OF BEHAVIOUR & SOCIAL PSYCHOLOGY (ADVANCED) (100 HRS) (100 MARKS)			
UNIT	TOPICS	T	P	C/Pr/A
	SECTION-A (50 HRS) (50 MARKS)			
	LIFE SPAN & DEVELOPMENT OF BEHAVIOUR			
UNIT I	CHILD DEVELOPMENT: <ul style="list-style-type: none"> a. Introduction b. Concept of development c. Growth & development; d. prenatal development e. Infantile developmental stage f. Early, middle and late childhood g. Adolescent h. Young & late adulthood i. Old age. 			
UNIT II	FIELDS OF HUMAN GROWTH & DEVELOPMENT: <ul style="list-style-type: none"> a. Sensory development b. Motor development c. Adaptive development d. Social development e. Cognitive development f. Communication development. g. Methods of studying behaviour barriers of psychology. 		1	1
UNIT III	THEORIES OF HUMAN DEVELOPMENT: <ul style="list-style-type: none"> a. Arnold Gesell's Theory of development b. Jean Piaget theory of development c. Sigmund Freud theory of development d. Erick-Erickson theory of development e. Vygotsky theory of development f. Maline Clinin's theory of development. 			
UNIT IV	1. ETIOLOGICAL BASIS OF DEVELOPMENTAL DISORDERS: <ul style="list-style-type: none"> a. Genetic b. Psychological & social c. Miscellaneous 			
UNIT V	TYPES OF DEVELOPMENTAL DISORDERS: <ul style="list-style-type: none"> a. Sensory. b. Motor/neurological c. Communication d. Cognitive e. Temperamental & behavioural f. Social g. Emotional 		2	
UNIT VI	ASSESSMENT OF DEVELOPMENTAL DISORDERS: <ul style="list-style-type: none"> a. Motor & sensory b. Speech & language 			



	c. Cognitive d. Social & emotional e. Adaptive f. Cultural aspects in development- family g. Development of child and adolescent in Indian Context, Physical, Emotional, Social & moral.			
	SECTION B			
	SOCIAL PSYCHOLOGY (ADVANCED) (50 HRS) (50 MARKS)			
UNIT I	a. Introduction b. Social psychology in medical settings c. Bio-psycho-social methods of diseases d. Importance of psychologists patient relationship in brings about change e. Does or don't s in communication f. Social climate in medical institution set up.			
UNIT II	SOCIAL ANATOMY /Social PHYSIOLOGY/SOCIAL BIOCHEMISTRY/SOCIAL PATHOLOGY: a. Social disorganization b. Crime & delinquency c. Suicide & Exide d. Probability & unemployment h. Dowry/ gambling/ and robbery.			A
UNIT III	FACTORS THAT INFLUENCE PERSON'S PERCEPTION: a. Influence of person's perception & inter personal relation b. Positive & negative perception c. Helios effect –positive & negative helio effect d. Fundamental attribution errors.			
UNIT IV	ATTITUDE & MEAURMENT: a. Introduction b. Attitude theories c. Factors influencing attitude formation d. Strategies to bring about attitude change. Stereotype & prejudice Measurement of attitude		1	
UNIT V	STIGMA IN THE FIELD OF MENTAL HEALTH: a. Introduction b. Definition of stigma c. Factors influencing attitude formation in relation to stigma. d. Stigma & various medical condition for example: Tuber chlorosis, leprosy, cancer & AIDS. e. Stigma in order to mental disorders in order to alcohol & drug Abuse with special reference to socio-cultural factors. f. Capabilities required to deal with stigma. g. Relevance to social change to root out stigma.			Pr
UNIT VI	GROUP & LEADERSHIP a. Introduction about group & leadership.			



	b. Group dynamic c. Style & leadership d. Relevance of group & medical condition of social psychology. e. How to form a group f. Formation of leader g. How to form a support group in order to deal with cancer, tuber chlorosis, & AIDS. h. How to form a support group in order to mental disorders in order to alcohol & drug Abuse with special reference to socio-cultural factors. h. How to run a group effectively.			
UNIT VII	WHAT IS HEALTH EDUCATION: a. Introduction. b. Concept of health & hygiene (biological, psychological & sociological). c. Who provide health education? d. Health & pandemic psychology. Practice of health education- health protection, health promotion & health prevention.			
UNIT VIII	SOCIAL INTERACTION a. Social adjustment or adaptation. b. Social motives & ethics			

HELP READING:

Text Books:

1. Hurlock, E. B. (2001). *Developmental psychology*. Tata McGraw-Hill Education
2. Papalia, D. E., Olds, S. W., & Feldman, R. D. (2007). *Human development*. McGraw-Hill.

Reference Books:

1. Hoffman, L. N. W., Hoffman, L., Paris, S. G., & Hall, E. (1994). *Developmental psychology today*. McGraw-Hill College.
2. Papalia, D. E., Gross, D. L., & Feldman, R. D. (2003). *Child development: A topical approach*. McGraw-Hill Humanities, Social Sciences & World Languages.
3. Miller, P. H. (2002). *Theories of developmental psychology*. Macmillan.
4. Stricker, G. (1982). *Handbook of developmental psychology*. Prentice Hall.
5. Willem Doise, & Cornelis FM Van Lieshout. (1998). *Life-span developmental psychology*. John Wiley & Sons.
6. Papalia, D.E., Olds, S.W. & Feldman, R.D. (2009) *Human Development* (11th ed.) New York: Mcgraw- Hill

FOR SECTION B



HELP READING:

Text Books:

1. Baron, R. A., Bryne, D., & Branscombe, N. R. (2009). Social Psychology. 12th Ed. New Delhi: Pearson Education.
2. Shelly Taylor, Social Psychology, Pearson Education, 12th Edition, New Delhi, 2011.
3. Kool, V.K. & Agraval, R. (2006). Applied Social Psychology, New Delhi: Atlantic Publishers.
4. Social Psychology. Lindgren

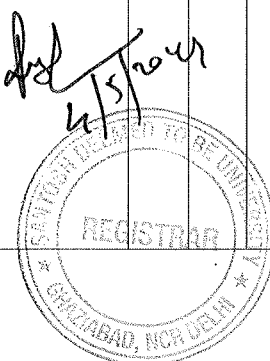
Reference Books:

1. Ann Cartwright (1964), Human Relations and Hospital Care, Routledge & K. Paul.
2. David Dickson, Owen Hargie. N. C. (Norman C.) Morrow (1997), Communication Skills Training for Health Professionals, Nelson Thornes.
3. Robin M. Kowalski, Mark R. Leary (Ed) (2004), The Interface of Social and Clinical Psychology, Psychology Press, UK.
4. Shirlynn Spacapan Oskamp (1988) *The Social Psychology of Health*, Sage Publications, India.
5. Myers, D.G. & Twenge, J.M. (2017). Social Psychology, International Student Edition. (12th edition). New York: McGraw – Hill Education.
6. Branscombe, N.R., Baron, R.A. & Kapur, P. (2017). Social Psychology. (14th edition). India: Pearson India Education Services Pvt Limited.

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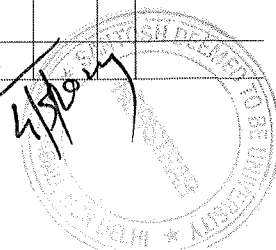


COURSE	FIRST YEAR	T	P	C/A
PAPER-4	RESEARCH METHODOLOGY & STATISTICS (100 HRS) (100 MARKS)			
	SECTION A			
	RESEARCH METHODOLOGY (50 HRS) (50 MARKS)			
UNIT I	Introduction <ol style="list-style-type: none"> What is research? Salient feature of scientific research. Concept of applied or basic research. <ol style="list-style-type: none"> Variables <ol style="list-style-type: none"> Types of variables Controlling techniques of variables. Quantitative & qualitative research. <ol style="list-style-type: none"> Problem hypothesis Development of quantitative & qualitative research. Types of research Purpose of research Data interpretation and report writing. 			1-A
UNIT II	METHODS OF DATA COLLECTION: <ol style="list-style-type: none"> Observation <ol style="list-style-type: none"> Types of observation <ol style="list-style-type: none"> Participant Observation & 2 Non-Participant Observation Interviewing Questionnaire Schedule Content Analysis Secondary source of data collection; <ol style="list-style-type: none"> Design & survey What is measurement Scale of measurement Development of scale of measurement <ol style="list-style-type: none"> Nominal, II. Ordinal, III. Interview & IV. Ratio Concept of developing the scale <ol style="list-style-type: none"> Rating & attributing scale Reliability & validity of scale Sampling & techniques Probabilistic & non-probabilistic samples <ol style="list-style-type: none"> Precision in sampling Confidence & determining the sample size Optimal sample size & statistic software. 			1-A
UNIT III	EPIDEMIOLOGY: <ol style="list-style-type: none"> Introduction Epidemiological method Definition & scope Health & diseases Measures use in epidemiology Study design Biased epidemiology 			



SECOND YEAR

COURSE	SECOND YEAR	T	P	C/Pr /A
PAPER-5	COMMUNITY PSYCHOLOGY & GERIATRIC PSYCHOLOGY (100 HRS & 100 MARKS)			
	SECTION A (50 HRS) (50 MARKS)			
UNIT I	COMMUNITY PSYCHOLOGY			
	<ul style="list-style-type: none"> a. Introduction b. Definition, nature, scope of clinical Psychology c. Fields & application of clinical psychology History of community psychology 			
UNIT II	ECOLOGICAL HEALTH: <ul style="list-style-type: none"> a. Population b. Pollution c. Alienation d. Urbanization 			Pr
UNIT III	PREVENTION, PROTECTION & PROMOTION: <ul style="list-style-type: none"> a. Concept (prevention, protection & promotion) b. Perspective c. Prevention-primary, secondary & territory. d. Community based therapeutic programmes. 			Pr
UNIT IV	MODELS: <ul style="list-style-type: none"> a. Behaviouristic model b. Mental health model c. Organizational model d. Social action model e. Ecological model: Noise, crowding, architectural factors, economic factors, in national social environment, Kelly's studies on coping in high stress environment. Social Cultural model 			
UNIT V	<ul style="list-style-type: none"> • EPIDEMIOLOGY: <ul style="list-style-type: none"> a. Prevalence b. Incidences c. Morbidity d. How epidemiology studies help in identifying possible causes 			
UNIT VI	COMMUNITY CARE OF MENTAL ILLNESS <ul style="list-style-type: none"> a. Drawbacks of long term institutional psychiatric care b. Deinstitutionalization of mental ill c. Advantages & disadvantages of community care of the mentally ill d. Mental health movement 			Pr
UNIT VII	PROMOTING COMMUNITY HEALTH: <ul style="list-style-type: none"> a. Issues related to poverty, minority status & health. b. Early community identification programme. c. Promotion & community Health by reducing environmental hazard. Encouraging public participation information of public health policies. 			Pr
	SECTION B (50 HRS) (50 MARKS)			



UNIT I	GERIATRIC PSYCHOLOGY			
	<ul style="list-style-type: none"> • Introduction • Definition, nature, and scope of clinical psychology. • Development of geriatric psychology. • Relation between geriatric population and medical care. • Relevance of old age homes and geriatric care giver. 			
UNIT II	ELDERLY PATIENTS: <ul style="list-style-type: none"> • How to interview the elderly patients. • Psychological development of elderly people. • Pre-retirement counselling & generation of social support. 			C
UNIT III	COGNITIVE IMPAIRMENT AND DISORDERS AMONG ELDERLY: <ul style="list-style-type: none"> • Generalized intellectual (delirium) impairment. • Memory disorder –dementia- <ul style="list-style-type: none"> a. Types of dementia Alzheimer's disorder. 		1	
UNIT IV	MENTAL DISORDERS AMONG ELDERLY <ul style="list-style-type: none"> • Depression • Suicidal behaviour • Psychotic disturbances. 		1	
UNIT V	VARIOUS OTHERS GERIATRIC CONDITIONS: <ul style="list-style-type: none"> • Adjustment disorder • Sleep disorder • Sexuality & sexual disorder. 			
UNIT VI	GERIATRIC COUNSELLING: <ul style="list-style-type: none"> • Different stages • Relevance of religion & spirituality. 			
UNIT VII	ETHICAL ISSUES IN GERIATRIC PSYCHOLOGY: <ul style="list-style-type: none"> • Euthanasia • Elder abuse • Homeless elders etc. 			

HELP READING:

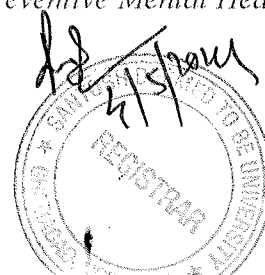
SECTION A

Text Books:

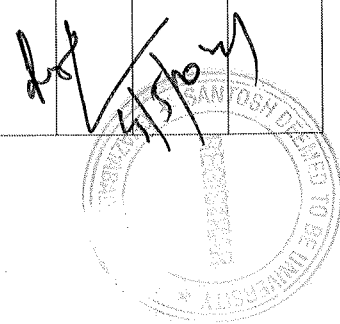
1. Julian Rappaport and Edward Seidman (Eds), (2000). *Handbook of Community Psychology*, Springer Publications.

Reference Books:

1. Ann Cartwright (1964), *Human Relations and Hospital Care*, Routledge & K. Paul.
2. Gershen Rosenblum, American Psychological Association Task Force on Community Mental Health (1971), *Issues in Community Psychology and Preventive Mental Health*, Behavioral Publications.



COURSE	SECOND YEAR	T	P	C/Pr / A
PAPER-6	PSYCHOTHERAPY & EDUCATIONAL PSYCHOLOGY (100 HOURS) (100 MARKS)			
	SECTION A (50 HOURS)(50 MARKS)			
	PSYCHOTHERAPY			
UNIT I	INTRODUCTION: <ol style="list-style-type: none"> Definition & objectives of psychotherapy Types of psychotherapy: supportive, reductive, & reconstructive & insight oriented. Basic principles of psychotherapy. Indication & contra Indication of psychotherapy. Ethical issues in psychotherapy. 			
UNIT II	DEFERENT PHASES OF PSYCHOTHERAPY: <ol style="list-style-type: none"> Initial, middle & terminal Factors influencing therapeutic relationship Relationship building techniques. Role of psychological assessment in psychotherapy. Characteristics of the effective therapist. 			
UNIT III	APPROACHES TO PSYCHOTHERAPY: <ol style="list-style-type: none"> Psychodynamic approach Cognitive behavioural approach Gestalt approach Humanistic approach Existential approach Eclectic approach 			
UNIT IV	FAMILY THERAPY: <ol style="list-style-type: none"> Types of family therapy & marital therapy Family therapy for psychiatric disorder 			
UNIT V	PSYCHOTHERAPY FOR SPECIFIC CONDITIONS <ol style="list-style-type: none"> Substance abuse disorder Sexual dysfunctions paraphilia's sexual abuse relaxation techniques Brief Psychotherapy Play therapy & psychodrama 			
UNIT VI	GROUP THERAPY: <ol style="list-style-type: none"> Advantages of group therapy Stages in group information Types of group therapy Role of therapist in group therapy and preventing scapegoating & unhealthy influences. Self-help group.			
UNIT VII	TRANSFERENCE: <ol style="list-style-type: none"> Concept Interpreting transference Counter transference How to guard transference & counter transference 			



3. T. Shanmugam "Community Psychology" Utsav Publishing Co.
4. Thomas, E., Kloos B., Hill J., Wandersman A., Elias M.J. & Dalton, J.H. (2012) Community Psychology: Linking Individuals and Communities, 3rd Edition. Wadsworth Publishing.

FOR SECTION B

Text Books:

1. Agronin. E & Maletta. *Principles and Practice of Geriatric Psychiatry*, (2nd Edition), Wolters Kluwer.
2. Chowdhry Paul D., *Aging and the Aged: A Source Book*, Inter India Pub., New Delhi, 1992

Reference Books:

1. Developmental psychology- a life-span Approach – Elizabeth Hurlock
2. Primary on Geriatric Care- Editor D E Rosenblatt, V S Nadarajan
3. Bellak Leopold: Karasu Toksoz B., *Geriatric Psychiatry: A Handbook for Psychiatrists and Primary Care Physicians*, Grune & Stratton, New York, 1976.
4. Dandekar Kumudini – *Elderly in India*, Sage Publishing, New Delhi, 1996.
5. Desai K.G. *Aging in India*, Tata Institute of Social Sciences, Bombay, 1982
6. Nair T.K., *Community care of the Elderly: A Study of Family and Community based Services in Madras*, Ramana K.V. Visakhapatnam.



HELP READING:

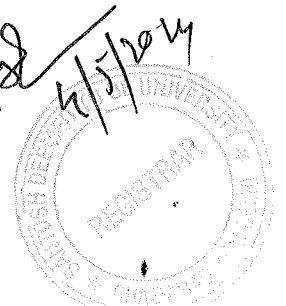
FOR SECTION A

Textbooks

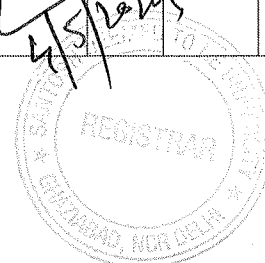
1. Sharf, R.S. (2000). Theories of psychotherapy and counselling: Concepts and cases (2nd Ed.). Singapore: Brooks/Cole.
2. Trull, T.J., & Phares, E.J. (2001). Clinical psychology: Concepts, methods, and profession (6th Ed.). Belmont, CA: Wadsworth/Thomson Learning
3. Nichols, P.M & Schwartz C.R (2006). *Family Therapy –concepts and methods*, 7th edition, Allyn and Bacon, Boston, Pearson education, Inc.

Reference books

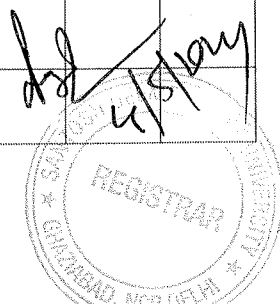
1. Brems, C. (2000). Dealing with challenges in psychotherapy and counselling. Singapore: Brooks/Cole.
2. Brems, C. (2001). Basic skills in psychotherapy and counselling. Singapore: Brooks/Cole.
3. Corey, G. (1996). Theory and practice of counselling and psychotherapy (5th ed.). Pacific Grove, CA: Thomson-Brooks/Cole.
4. Dryden, W. (2007). Dryden's handbook of individual therapy. (5th ed). Sage Publications: New Delhi.
5. Palmer, S. (ed.). (1999). Introduction to counselling and psychotherapy: The essential guide. New Delhi: Sage.
6. Bieling, P.J., MacCabe, R.E., & Antony, M.M. (2006). Cognitive-Behavioural Therapy in Groups NY: Guilford Pub.
7. Miltenberger, R.G. (2012). Behaviour Modification: Principles and Procedures. 5th edition. Wadsworth Cengage Learning.
8. Beck, J.S. 2011. Cognitive Behavior Therapy: Basics and Beyond. 2nd edition. The Guilford Press, New York.
9. Simos, G. 2002. Cognitive Behavior Therapy: A Guide for the Practicing Clinician, Vol 1. Brunner-Routledge, London.
10. Anthony, J.(2003). Psychotherapies in counselling. Anugraha Publications
11. Simons, J. & Griffiths, R. (2010). CBT for beginners. California Sage
12. Stewart, J. (.2013). Transactional counseling in action. 4th edition, Windy Dryden
13. Greenberg, L. (2011) –Emotion focused therapy (Theories of psychotherapy series), Kindle edition.
14. Howie, P., Prasad, S., & Kristel, J. (2013). Using art therapy with diverse populations: Crossing cultures and abilities. London, UK: Jessica Kingsley Publishers.



	e. Psychotherapeutic formulation f. Manifestation of resistance g. Methods of handling resistance.			
	SECTION B (50 HOURS) (50 MARKS)			
	EDUCATIONAL PSYCHOLOGY			
UNIT I	LEARNING DISABILITIES: <ol style="list-style-type: none"> Introduction: educational psychology, concept & meaning of educational psychology Similarities & dissimilarities between educational psychology/general psychology/ school psychology Nature /scope/aims/ & objectives of educational psychology Application & limitation of educational psychology Recent trends contemporary psychology 		1	
UNIT II	LEARNING DISORDERS <ol style="list-style-type: none"> Learning Difficulties & Disorders Nature & Causes of Learning Disorders Differences between above disorders			C/Pr /A (An y one)
UNIT III	TYPES OF LEARNING DISORDERS <ol style="list-style-type: none"> Reading Writing Arithmetical skills Motor Skills Speech & Language Information Processing Disorder Other Disorder 		1+1	
UNIT IV	PSYCHOLOGY OF GROWTH & DEVELOPMENT with special reference to: <ol style="list-style-type: none"> physical development, sensory-motor development, cognitive & language development. social. moral, emotional development Academic development: <ul style="list-style-type: none"> • Reading • Writing • Arithmetic 			
UNIT V	EDUCATIONAL CHALLENGES AMONG CHILDREN WITH SPECIAL NEEDS <ol style="list-style-type: none"> Gifted Children Slow learning Mental Retardation Remedial Teaching Special Education 			



COURSE	SECOND YEAR	T	P	C/Pr / A
PAPER-7	INDIAN CONCEPT OF MENTAL HEALTH & HEALING PRACTICES & STRESS MANAGEMENT AND CRISIS INTERVENTION (100 HRS) (100 MARKS)			
	SECTION A (50 HRS) (50 MARKS)			
	INDIAN CONCEPT OF MENTAL HEALTH & HEALING PRACTICES			
UNIT I	Introduction. a. History of ancient psychology b. Evolution of psychology c. Scope & method of psychology d. Concept of consciousness.			
UNIT II	SELF & PERSONALITY a. Upanishad views b. Geeta on self c. Buddha's doctrine of anatma d. The nay (vaish)es e. Samkhya –yoga view, vimansa view, f. personality types –triguns-(sat, rajas, tamas)			
UNIT III	COGNITIVE PROCESS a. Memory-imagination-self b. Past experiences-recall & retention memory & feeling. c. Condition for retention, recall & recognition, & forgetfulness.			
UNIT IV	LEARNING: a. Introduction b. Scientists of ancient India c. Ideological perspectives d. Indian philosophy e. Requisites for learning f. History of economic thought g. Kautilya's Arthashastra h. Upanishad i. Thought & learning-Vedas (four kinds) j. Jurisprudence-meaning, importance & concept k. Indian perspective.			
UNIT V	MOTIVATION: a. Geeta on motives b. Distribution between non voluntary & voluntary action c. Behaviour of neonate: three kinds of action –Gautama's Nayashastra-Ras, Deves, & Moha d. Feelings & emotions- e. Geeta on feeling f. Buddhism on feeling-naya- vaish- hicaa g. Samkhya yoga h. Geeta patanjali & buddhist view on emotion.			
UNIT VI	MENTAL HEALTH & HEALING: a. Introduction; body mind relationship according to tantras.			



<https://www.flipkart.com/search?q=art%20therapy%20with%20diverse%20populations&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=off&as=off>

Gussak, D. E., & Rosal, M. L. (2016). The Wiley handbook of art therapy. Chichester, UK: John Wiley & Sons Kindle copy https://www.amazon.com/Handbook-Therapy-Clinical-Psychology-Handbooks/dp/1118306597/ref=sr_1_3?s=books&ie=UTF8&qid=1551119492&sr=1-3&keywords=gussak

FOR SECTION B

Text Books:

1. O'Donnell, A.M., Reeve, J., & Smith, J.K. (2009). Educational psychology. Hoboken, NJ: John Wiley and Sons.
2. Jena, S. P. K. (2013). *Learning disability: Theory to practice*. SAGE Publications India.
3. Mangal, S. K. (2007). Advanced Educational Psychology 2nd Edition Published by Ghosh K.

Reference Books:

1. Fetsco, T. G., & McClure, J. (2005). Educational psychology: An integrated approach to classroom decisions. Boston: Allyn & Bacon.
2. Walia, J. S. (1992). Foundation of Educational Psychology.
3. Allen K.E and Cowdery, G. E *Working with Children with Special Needs*. Online. Available at http://www.sagepub.in/upm-data/23472_Willis_Chapter_1.pdf (accessed 29 April 2015)
4. Brown, R.I. (2010). *Adult Education and Intellectual and Allied Developmental Disabilities*. In: JH Stone, M Blouin, editors. International Encyclopedia of Rehabilitation. Online: Available at <http://cirrie.buffalo.edu/encyclopedia/en/article/21/>. (accessed 9 March 2015)
5. UNESCO. (2009). *Teaching Children with Disabilities in Inclusive Settings*. Bangkok: UNESCO Bangkok. Online. Available at <http://unesdoc.unesco.org/images/0018/001829/182975e.pdf> (accessed 9 March 2015)
6. Smith, C, R (2004). 5th ed. Learning Disabilities. The interaction of students and their environments. Pearson . Allyn and Bacon



	c. CBT based coping skills d. CBT based coping planning e. Narrative therapy f. Evaluation & management of following risks- suicide, violence, victimization. g. Eclectic approach & management.			
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HELP READING:

Text Books

1. Kuppaswamy, B. (1990). *Elements of ancient Indian Psychology*, 3rd ed.: Konark Publishers Pvt. Ltd. New Delhi

Reference Books

2. Raghunath Safaya (1975). *Indian Psychology*, Munshiram Manoharlal Publishers Pvt. Ltd. New Delhi
3. Kuppaswamy, B. (1993). *Source Book of Ancient India Psychology*, Konark Publishers Pvt. Ltd. New Delhi

FOR SECTION B

Text Books:

1. Folkman, S. (2010). *The Oxford handbook of stress, health, and coping*. Oxford University: Oxford.
2. James, R. K. (2012). *Crisis Intervention Strategies*. Belmont, CA: Brooks/Cole.
- Block, Stanley (2010).

References:

1. *Mind-Body Workbook for PTSD: A 10-Week Program for Healing After Trauma*. New Harbinger Publications: CA.
2. Briere, John & Scott, Catherine (2006). *Principles of Trauma Therapy: A Guide to Symptoms, Evaluation, and Treatment*. Sage Publications: CA.
3. Hoff, Lee Ann; Hallisey, Bonnie; Hoff, Miracle (2009). *People in Crisis: Clinical and Diversity Perspectives* (6th Ed). Routledge: NY.

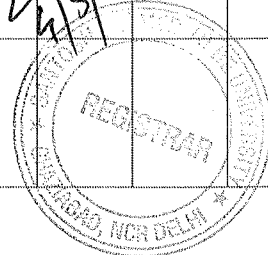
PAPER-8 –OPTIONAL PAPER-STUDENTS WILL CHOOSE ANY ONE

- A. CLINICAL PSYCHOLOGY
- B. COUNSELLING PSYCHOLOGY
- C. ORGANIZATIONAL BEHAVIOUR.

(ANY ONE)

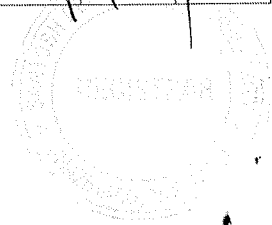


	<ul style="list-style-type: none"> b. Psychopathology & psychotherapy c. Meditation d. Sex behaviour, religious behaviour, psycholinguistic & aesthetic. 			
	SECTION B (50 HRS) (50 MARKS)			
	STRESS MANAGEMENT AND CRISIS INTERVENTION			
UNIT I	STRESS: concept, major sources of stress. <ul style="list-style-type: none"> a. Biological aspects of stress b. Module of stress (GAS) by Hans Selye Relation between stress & illness			
UNIT II	STRESS CONFLICT & CONFLICT RESOLUTION: <ul style="list-style-type: none"> a. Conflict- concept, understanding about typical responses while dealing with stress b. Common styles of conflict c. Knowing about conflict resolution skills 			
UNIT III	STRESS & HANDLING BY SELF MANAGEMENT <ul style="list-style-type: none"> a. Concept of self-care b. How to practice self-care c. Importance of personal goals d. Challenges about how to avoid poor self-care. e. Awareness f. Developing resilience g. Stress & relation between stress & supportive relationship & positive attitude h. Role of food and nutrition, exercise entertainment and the management of stress. 			
UNIT IV	CRISIS <ul style="list-style-type: none"> a. Definition, emergency traumatic stressor b. Crisis intervention/emergency c. Historical perspective of crisis intervention d. Types of crises Types of emergencies			
UNIT V	TRAUMA UNDERSTANDING: <ul style="list-style-type: none"> a. Factors responsible for trauma b. Adjustment & coping with trauma c. Scope & component of crisis event. d. Post-traumatic stress disorder (PTSD) e. Relation of trauma with health & well-being. 			
UNIT VI	PSYCHOLOGICAL BASIS OF TRAUMA & CRISIS: <ul style="list-style-type: none"> a. Cognitive component b. Effective component c. Behavioural component d. Neurological component e. Response related to trauma <ul style="list-style-type: none"> 1. Emotional response, cognitive response, behavioural response, physical response. Ethical & professional understanding in crisis & trauma.			
UNIT VII	INTERVENTION IN CRISIS: <ul style="list-style-type: none"> a. Crisis intervention: cultural competence, evidence-based intervention b. Focused intervention 			



COURSE	SECOND YEAR	T	P	C/Pr /A
PAPER- 8B	<u>COUNSELLING PSYCHOLOGY-(100 HRS) (100 MARKS)</u>			
UNIT I	<ul style="list-style-type: none"> • Introduction • Definition of counselling & guidance • Origin & history • Aims & objectives of counselling • Scope of counselling. 			
UNIT II	APPROACHES OF COUNSELLING <ul style="list-style-type: none"> • Psychoanalytic & Adlerian approach • Behavioural approach • Humanistic approach (client centered) • Existential & Gestalt approach • Rational Emotive approach • Transracial approach. 			Pr
UNIT III	PROCESS OF COUNSELLING <ul style="list-style-type: none"> • Counselling process. • Stages in basic counselling skills (listening, responding, empathy, sizing, paraphrasing, silence, & termination). • Stages of counselling. • Counselling process followed by counsellor • Developing & working for client & counsellor relationship. • How to prepare a client for counselling. 			
UNIT IV	FACTORS INFLUENCING COUNSELLING PROCESS <ul style="list-style-type: none"> • Structure • Initiative • Settings • Client's qualities • Counsellor's qualities 			
UNIT V	COUNSELLOR/ COUNSLEE'S CHARACTERISTICS <ul style="list-style-type: none"> • Client qualities • Counsellor qualities • Personality characteristics • Attitude & belief of counsellor • Emotional behaviour & attitudinal disposition of referred, hostile, counsellee, & those who come on their own. 			
UNIT VI	COUNSELLING IN MEDICAL SETTINGS <ul style="list-style-type: none"> • Substance abuse counselling • Counselling the terminally ill • HIV/AIDS counselling 			Pr

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COURS E	SECOND YEAR	T	P	C/Pr /A
PAPER- 8A	A. <u>CLINICAL PSYCHOLOGY (ADVANCED)-(100HRS (100 MARKS)</u>			
UNIT I	ROLE OF CLINICAL PSYCHOLOGIST a. Introduction b. Clinical psychology as a science, as a theoretical subject, as a clinical subject. c. Its purpose for understanding, preventing & relieving psychological based distress & dysfunction.			
UNIT II	ASSESSMENT: a. Scope of assessment in clinical psychology. b. Psychological testing & diagnosis of mental illness. c. Scope of clinical psychology in India.			
UNIT III	COURSES IN CLINICAL PSYCHOLOGY a. Courses in clinical psychology and how to become a clinical psychologist. b. Clinical psychology as a carrier reference. c. The role of clinical psychologist as a researcher/ trainer/ & educationalist.			Pr
UNIT IV	JOB OPPORTUNITY IN CLINICAL PSYCHOLOGY: a. Efficiencies of clinical psychologist b. Scope of clinical psychology a Broad c. The psychology dilemma: in India/ a Broad. d. Clinical psychology –private practice, school & organization.			

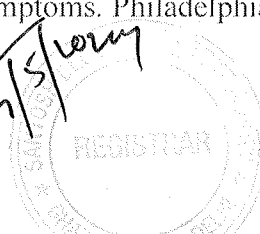
HELP READING:

Textbooks

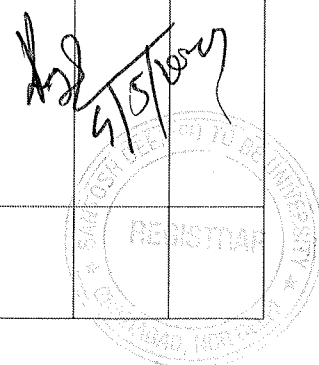
1. Hecker, J.E., & Thorpe, G.L. (2005). Introduction to clinical psychology: Science, practice, and ethics (Low Price Edition). Delhi: Pearson Education.
2. Pomerantz, A.M. (2008). Clinical Psychology: Science, practice, and culture. Sage Publications: New Delhi

Reference Books

1. Hersen, M., Kazdin, A.E., & Bellack, A.S. (eds.). (1991). The clinical psychology handbook (2nd ed.). New York: Pergamon Press.
2. Koocher, G.P., Norcross, J.C., & Hill III, S.S. (eds.). (1998). Psychologists' desk reference. Oxford: Oxford University Press.
3. Osborne, R.E., Lafuze, J., & Perkins, D.C. (2000). Case analysis for abnormal psychology: Learning to look beyond the symptoms. Philadelphia: Psychology Press.



COURSE	SECOND YEAR	T	P	C/Pr /A
PAPER-8C	<u>ORGANIZATIONAL/INDUSTRIAL PSYCHOLOGY-100 HRS (100 MARKS)</u>			
UNIT I	<ul style="list-style-type: none"> • What is an organisation? • What is an organisational psychology? • Organisational Psychology & behaviour 			
UNIT II	KEY FEATURES OF ORGANIZATION <ul style="list-style-type: none"> • Organization as machine • Organization as brains • Organization as cultures • Organization as political system • Organization as prisons. • Cluck & transformation. • Instrument of domination. 			1-Pr
UNIT III	SCOPE OF ORGANIZATION PSYCHOLOGY <ul style="list-style-type: none"> • Work motivation • Job satisfaction in organization • Commitment & justice • Leadership • Group behaviour • Work stress • Organizational culture & behaviour • Productive & counterproductive behaviour • Work-life balance • Organizational behaviour- level of study of organisational behaviour • a. levels of analysis-individual & organization 			Case study
UNIT IV	GOALS OF ORGANIZATIONAL BEHAVIOUR <ul style="list-style-type: none"> • Description • Understanding • Prediction • Control 			Case study
UNIT V	CHARACTERISIC FIELDS OF ORGANIZATIONAL BEHAVIOUR <ol style="list-style-type: none"> a. Betterment of human resources b. Contingency approach c. Multidisciplinary focus d. Organization as open system e. Organizational behaviour & cross-cultural Approach 			
UNIT VI	ORGANIZATION BEHAVIOUR IN THE INDIAN CONTENT <ol style="list-style-type: none"> a. Replication b. Disenchant 			



UNIT VII	ETHICS & COUNSELLING <ul style="list-style-type: none"> • What are ethics? • Ethical principal of counselling • Main ethics: <ul style="list-style-type: none"> a. Counselling relationship b. Confidentiality c. Professional responsibility d. Relationship with other professionals e. Evaluation & interpretation f. Supervision & teaching strategies. g. Research & publication h. Resolving ethical issues. 			
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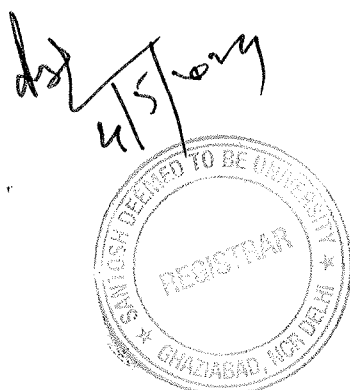
HELP READING:

Text Books:

1. Blocher, DH; (1966) *Developmental Counseling*, New York, The Ronald Press.
2. Narayana Rao, (1991) *Counseling and Guidance*, Tata McGraw Hill Publishing Company.

References

1. Carkuff, RR, and B.G. Bernson: (1974) *Beyond counseling and Psychotherapy*, New York, Holt, Rinchart and Winston.
2. Fruster, J.M.: *Psychological Counseling in India*, Mumbai McMillan.
3. Paterson: (1989) *Theories of Counseling and Psychotherapy*, Harper.



	c. Importance d. Nature of people-individual differences e. People as a whole f. Motivated behaviour g. Value of the person (human dignity) h. Nature of organization-social system, psychological system i. Types of organization			
UNIT VII	ORGANIZATION PARADIGM SHIFT a. Introduction b. Organizational output c. Holistic organizational behaviour.			
UNIT VIII	MODELS OF ORGANIZATION a. The autocratic model b. Custodial model c. Supportive model d. Collegial model e. Comparison of the model of organizational behaviour f. Conclusion about models: a. Models- importance and subjective evolutionary changes b. Model based on incremental values c. Models-function of prevailing employee d. The contingent use of all models.			Pr-1

HELP READING:

Text Books

1. Jex, S.M. (2002). Organisational psychology: A scientist-practitioner approach. New York:
2. John Wiley. Rollinson, D. & Broadfield, D. (2002). Organisational behaviour and analysis: An integrated approach, 2nd Ed. New York: Prentice-Hall
3. Greenberg, J. & Baron, R.A. (2003). Behaviour in Organisations: Understanding and managing the human side of work, 8th Ed. New Delhi: Prentice Hall of India
4. Robbins, S.P., Judge, T.A., & Sanghi, S. (2009). Organisational Behaviour, 13th Ed. New Delhi: Pearson-Prentice Hall.
5. Sinha, J.B.P. (2008). Culture and organisational behaviour. New Delhi: Sage.
6. Davis, K. D. & Newstrom, J. W. (1989). Human behaviour at work: Organisational Behaviour, 8th Ed. New Delhi: McGraw-Hill.
7. Mullins, L. J. (2005). Management and organisational behaviour, 7th Ed. New Delhi: Prentice Hall



8. Rode, J. C. (2004). Job satisfaction and life satisfaction revisited: A longitudinal test of an integrated model. *Human Relations*, 57, 1205-1229
9. Sinha, J.B.P. (1985). The psychic relevance of work in Indian culture. *Dynamic Psychiatry*, 18, 134-141

Reference Books

1. Smither, R.D. (1988). *The psychology of human and work performance*. New York: Haper & Row. Taylor, F. (1911). *Principles of scientific management*. New York: Harper
2. Brayfield, A. H., & Rothe, H. F. (1951). An index of job satisfaction. *Journal of Applied Psychology*, 35, 307-311.
3. Bruce, W.M., Blackburn, J.W. (1992), *Balancing Job Satisfaction and Performance: A Guide for Human Resource Professionals*. Connecticut, CT: Quorum Books
4. Roe, A. (1956). *The Psychology of Occupations*. New York: John Wiley Sons, Skinner, B. F. (1953). *Science and Human Behaviour*. New York: Free Press.

