AIIMS MANGALAGIRI COLLEGE OF NURSING

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REGULATIONS AND CURRICULUM FOR

B.Sc. (Hons.) NURSING

(2022-23 onwards)

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AIMS

The aim of the undergraduate nursing program is to:

- Prepare graduates to assume responsibilities as professional, competent nurses and midwives at a basic level in providing promotive, preventive, curative, and rehabilitative health services.
- Prepare nurses who can make independent decisions in nursing situations, protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, and community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor, and manager in a clinical/public health setting.

OBJECTIVES

On completion of the four-year B.Sc. (Hons.) Nursing program the graduates will be able to:

- 1. Apply knowledge from physical, biological, and behavioral sciences, and medicine, including alternative systems and nursing in providing nursing care to individuals, families, and communities.
- 2. Demonstrate an understanding of lifestyle and other factors, which affect the health of individuals and groups.
- 3. Provide nursing care based on steps of the nursing process in collaboration with the individuals and group.
- 4. Demonstrate critical thinking skills in making decisions in all situations in order to provide quality care.
- 5. Utilize the latest trends and technology in providing health care.
- 6. Provide promotive, preventive, and restorative health services in line with national health policies and programs.
- 7. Practice within the framework of the code of ethics and professional conduct and acceptable standards of practice within the legal boundaries.
- 8. Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
- 9. Demonstrate skills in teaching individuals and groups in clinical/ community health settings.
- 10. Participate effectively as members of the health team in the health care delivery system.
- 11. Demonstrate leadership and managerial skills in clinical / community health settings.
- 12. Conduct evidence-based research studies in various settings and utilize the research findings to improve the quality of care.
- 13. Demonstrate awareness, and interest and contribute towards the advancement of self and of the profession.

REGULATIONS OF THE INSTITUTE

The regulations framed are subject to modification from time to time by the Board of Studies and Standing Academic Committee.

- **I.** Admission Requirements (Shall remain as per AIIMS New Delhi guidelines time to time)
- 1. The minimum age for admission shall be 17 years on or before 31st December of the year of admission.
- 2. The minimum educational requirements shall be the passing of:
 - 12th class under the 10+2 scheme / Senior School Certificate Examination / Intermediate Science / an equivalent examination from a recognised University / Board of any Indian State with English, Physics, Chemistry, and Biology with 55% for Gen / OBC / EWS (50% in case of SCs/STs categories) in aggregate in English, Physics, Chemistry, and Biology.
- 3. Candidate Shall be medically fit
- **II.** Entrance / Selection test (Shall remain as per AIIMS New Delhi guidelines time to time)
 - o Selection of the candidates should be based on the merit of the All India entrance examination.

III. Course Duration

B.Sc. (Hons.) Nursing course shall be four years including six months of compulsory internship (as integrated practice).

IV. Annual intake:

✓ In B. Sc. (Hons) Nursing, 50 seats (as decided by the competent authority from time to time) are allotted for each year.

V. Medium of Instruction

❖ The medium of instruction shall be English only

VI. Curriculum

The Curriculum and the syllabus for the course shall be as prescribed in these regulations and are subject to modifications by the Board of Studies (BOS) and the Standing Academic committee from time to time.

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VII. Academic weeks per year

Each academic year shall consist of not less than 39 weeks.

VIII. Submission of Practical Record Books*

- The concerned Head of the Department shall evaluate the practical Record (Internal Evaluation) and the Practical Record shall be submitted to the Principal 15 days prior to the commencement of the theory examination and to be presented to the external practical examiner.
- At the time of the Practical Examination, each candidate shall submit to the Examiners his / her Practical Record Book duly certified by the Head of the Department as a bonafide record of the work done by the candidate.

(*Applicable only for practical examination subjects)

IX. Vacation

• The Institution shall declare for six weeks of vacation in an academic year to the students as per the institutional annual academic calendar, subject to the approval of competent authority.

X. Award of Degree

The degree of B.Sc. (Hons) Nursing will be awarded to the graduate only after the candidate has:

- Passed all examinations
- Satisfactorily completed the full period of training
- Satisfactory work and conduct during the period of studies

XI. Academic session

• The academic session generally commences in the month of August every year

COURSE OF INSTRUCTION

FIRST YEAR

| Sr. | Subject | Theory Hours & | Clinical | Other Hours |
|-----|---------------------------------|----------------|---------------|-------------|
| No | | Lab | Hours | |
| 1. | Anatomy | 60 | | |
| 2. | Physiology | 60 | | |
| 3. | Nutrition | 60 | | |
| 4. | Biochemistry | 30 | | |
| 5. | Nursing Foundations | 265+200 (Lab) | Clinical: 550 | |
| 6. | Psychology | 60 | | |
| 7. | Microbiology | 60 | 0/3 | - |
| 8. | English | 60 | 7 | |
| 9. | Introduction to Computers | 45 | - 105 | |
| 10. | Region <mark>al language</mark> | 30 | 11.21 | |
| 11. | Library work/self-study | | 162 | |
| 12. | Co-curricular activities | | | |
| | Total hours | 930 | 550 | -10 |
| | Total hours=1480 hrs | | | |

SECOND YEAR

| Sr. | Subject | Theory Hours & Lab | Clinical Hours | Other hours |
|-----|---|--------------------|-------------------|-------------|
| 1. | Pharmacology Pharmacology | 45 | AN | |
| 2. | Pathology & Genetics | 30+15 | / /// | - () |
| 3. | Medical Surgical Nursing (Adult including geriatrics) – I | 210 | 720 | 19 |
| 4. | Community Health Nursing – I | 90 | 135 | 5 |
| 5. | Communication & Educational Technology | 60+30 | 7-1/5/ | |
| 6. | Sociology | 60 | 310 | |
| 7. | Library work/Self study | | | 50 |
| 8. | Co-curricular activities | | | 35 |
| | Total hours | 540 | 855 | 85 |
| | Total hours=14 <mark>80 hrs</mark> | | | |

THIRD YEAR

| Sr. | Subject | Theory Hours & Lab | Clinical Hours | Other hours |
|-----|--|-----------------------|--------------------------------|----------------|
| 1. | Medical Surgical Nursing (Adult including geriatrics) – II | 120 | 270 | |
| 2. | Child Health Nursing | 90 | 270 | |
| 3. | Mental Health Nursing | 90 | 270 | |
| 4. | Nursing Research & Statistics | 45 | 45* (A group research project) | |
| 5. | Library work/Self study | | | 50 |

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| 6. | Co-curricular activities | | | 30 |
|----|--------------------------|-----|-----|----|
| | Total hours | 345 | 855 | 80 |
| | Total hours=1280 hrs | | | |

^{*} Research project to be undertaken during the final year time as per the internal convenience

FOURTH YEAR

| Sr. | Subject | Theory Hours & Lab | Clinical Hours |
|-----|--|--------------------|----------------|
| 1. | Midwifery and Obstetrical Nursing* | 90 | 360 |
| 2. | Community Health Nursing - II | 90 | 135 |
| 3. | Management of Nursing Services and Education | 65+25 | |
| | Total hours | 270 | 495 |
| | Total hours= 765 hrs | | |

^{* 200} hours from the subject- Midwifery and Obstetrical Nursing (40 hours of theory and 160 hours of Clinical experience) will be covered in the third year itself as per the internal convenience

• Total study hours per week shall be 40 hours. Students need to fulfill practical/clinical experience requirements specified for each subject as per guidelines for B.Sc. (Hons) Nursing within the stipulated time period in a prescribed log book.

SIX MONTHS COMPULSORY INTERNSHIP (as integrated practice)*

| Sr. | Subject | Theory Hours | Practical/Clinical Hours | In Weeks |
|-----|-----------------------------------|--------------|-----------------------------|----------|
| 1. | Midwifery and Obstetrical Nursing | | 240 | 5 |
| 2. | Community Health Nursing | 100 | 195 | 4 |
| | Medical Surgical Nursing | W. | 430 | 9 |
| 4. | Child Health Nursing | 0 | 145 | 3 |
| 5. | Mental Health Nursing | () P | 145 | 3 |
| | Total hours | a - 1 - m | 1155 | 24 |
| | Total hours= 1155 hrs | MMM | | · |

*INTERNSHIP (as integrated practice)

- i. Six months of compulsory internship (as integrated practice) starts in the final year of the course after completion of stipulated theory and practical training of fourth-year subjects.
- ii. Internship training will be given in five major subjects for which theory and practical training was completed before the commencement of the internship.
- iii. Internship/integrated practice is 8 hours of clinical duties **per day.**
- iv. Calculation of hours for internship to be done as 8 hours per day @ 48 hours per week.
- v. Fourth year final exam will be held only after the completion of internship.

B.Sc. (Hons.) NURSING

SCHEME OF EXAMINATION

B.Sc. (Hons.) Nursing First Year

| Paper | Subjects | Duration | Internal | Final | Total | | | | | |
|-----------|--------------------------------------|----------|---------------|---------------|-------|--|--|--|--|--|
| no. | | Of Exam | Assessment | Exam | | | | | | |
| Theory 6 | Theory examinations | | | | | | | | | |
| I | Anatomy & Physiology | 2 Hrs | 50 (25+25) | 50 (25+25) | 100 | | | | | |
| II | Nutrition & Biochemistry | 2 Hrs | 50 (30+20) | 50 (30+20) | 100 6 | | | | | |
| Ш | Nursing Foundations | 2 Hrs | 50 | 50 | 100 | | | | | |
| IV | Psychology | 2 Hrs | 50 | 50 | 100 | | | | | |
| V | Microbiology | 2 Hrs | 50 | 50 | 100 | | | | | |
| VI | English* | 3 Hrs | 25 | 75 | 100 | | | | | |
| College-l | level theory exams | 92.5 | | No. | | | | | | |
| VII | Introduction to Computers** | 3 Hrs | 25 | 75 | 100 | | | | | |
| VIII | Regional Language*** | 3 Hrs | 25 | 75 | 100 | | | | | |
| Practica | Practical examination with Viva Voce | | | | | | | | | |
| I | Nursing Foundations | 177 | 100 | 100 | 200 | | | | | |
| | Total | 100 | 400 | 500 | 900 | | | | | |

^{*} English Pass marks 40%

B.Sc. (Hons.) Nursing Second Year

| Paper | Subjects | Duration of | Internal | Final Exam | Total |
|----------|--|--------------------|------------------|------------------|-------|
| no. | | Exam | Assessment | | |
| Theory e | examinations | | - Colu | ¥′ | |
| IX | Pharmacology, Pathology & Genetics | 2 Hrs | 50 (25+15+10) | 50 (25+15+10) | 100 |
| X | Medical Surgical Nursing (Adult including geriatrics) – I | 2 Hrs | 50 | 50 | 100 |
| XI | Community Health Nursing – I | 2 Hrs | 50 | 50 | 100 |
| XII | Communication and Education Technology | 2 Hrs | 50 | 50 | 100 |
| XIII | Sociology | 2 Hrs | 50 | 50 | 100 |
| Practica | l examination with Viva Voce | | | - | |
| II | Medical Surgical Nursing (Adult including geriatrics)-I | | 100 | 100 | 200 |
| | Total | | 350 | 350 | 700 |

^{**} College exams, marks to be included in the marks sheet

^{***} Colleg<mark>e exams, marks not to be included in th</mark>e marks sheet

B.Sc. (Hons.) Nursing Third Year

| Paper | Subjects | Duration of | Internal | Final Exam | Total |
|---------|--|--------------------|---------------|---------------|-------|
| no. | • | Exam | Assessment | | |
| Theory | examinations | | | | |
| XIV | Medical Surgical Nursing (Adult including geriatrics) – II | 2 Hrs | 50 | 50 | 100 |
| XV | Child Health Nursing | 2 Hrs | 50 | 50 | 100 |
| XVI | Mental Health Nursing | 2 Hrs | 50 | 50 | 100 |
| XVII | Nursing Research & Statistics | 2 Hrs | 50 (35+15) | 50 (35+15) | 100 |
| Practic | al examinations with Viva Voce | | 100 | | 7 |
| III | Medical Surgical Nursing (Adult including geriatrics) – II | | 50 | 50 | 100 |
| IV | Child Health Nursing | 1000 | 50 | 50 | 100 |
| V | Mental Health Nursing | | 50 | 50 | 100 |
| | Total | | 350 | 350 | 700 |

B.Sc. (Hons.) Nursing Final Year

| Paper | Subjects | Duration of | Internal | Final Exam | Total |
|---------|--|--------------------|------------|------------|-------|
| no. | | Exam | Assessment | | |
| Theory | examinations | 4 10 | | 6 | |
| - 7 | Midwifery and Obstetrical Nursing | 2 Hrs | 50 | 50 | 100 |
| XIX | Community Health Nursing - II | 2 Hrs | 50 | 50 | 100 |
| | Management of Nursing Services and Education | 2 Hrs | 50 | 50 | 100 |
| Practic | a <mark>l examin</mark> ations with Viv <mark>a Voc</mark> e | 13 | | 1 10 | |
| VI | Midwifery and Obstetrical Nursing | 1 | 50 | 50 | 100 |
| VII | Community Health Nursing | ann | 50 | 50 | 100 |
| | Total | TM MAN | 250 | 250 | 500 |

RULES OF EXAMINATION

- 1. The medium of examination shall be English
- 2. **Anatomy and Physiology** (25+25):- Question paper will consist of *Section A* of Both MCQ's (5+5 marks) and *Section B* of Anatomy (20 marks) and *Section C* of Physiology (20 marks).
- 3. **Nutrition and Biochemistry** (30+20):- Question paper will consist of *Section A* of Both MCQ's (5+5 marks) and *Section B* of Nutrition (25 marks) and *Section C* of Biochemistry (15 marks).
- 4. **Pharmacology, Pathology, and Genetics** [(25)+(15+10)]:- Question paper will consist of *Section A* of Both MCQ's- (Pharmacology+ Pathology=5+5 marks) and *Section B* of Pharmacology (20 Marks) and *Section C* of both Pathology (10 Marks) & Genetics (10 Marks).
- 5. Nursing Research & Statistics (35+15):- Question paper will consist of Section A of MCQ's-(Research 10 marks) and Section B of Research (25 marks) and Section C of Statistics (15 marks).
- 6. Theory & Practical exams for Introduction to Computer are to be conducted as college exams and marks are to be sent to the Dean (Examination)/ Examination Controller, AIIMS for inclusion in the Detail Marks Sheet.
- 7. The Regional language subject shall be conducted as a college exam, but marks shall not be included in the marks sheet.
- 8. A candidate must have a minimum of 80% attendance in theory and in practical (irrespective of the kind of absence) to appear in the examination. If attendance is lacking, then the candidate will be detained from appearing in the particular subject.
- 9. A candidate must have 100% attendance in each of the practical areas before the award of the Degree. If attendance is lacking or any, proper remedial measures will be undertaken to compensate for the shortage of practical attendance from time to time.
- 10. A student, who absences herself from the examination will be considered absent.
- 11. A candidate has to pass in theory and practical exams separately in both internal and external of each paper.
- 12. A student will be deemed to have passed in the subject if she obtains a minimum of 50% marks in each subject in theory and practical exams separately in both internal and external, but for English, minimum pass marks shall be 40%.
- 13. If a candidate fails in the subject (either theory or practical) has to appear in the examination for both theory and practical paper of that subject.

- 14. If a candidate fails in any subject, a maximum of three attempts (including the first attempt) are permitted for each subject. If any candidate could not pass in 3 attempts, shall be demoted and has to appear in all the subjects of that year (repeat the year) in the subsequent annual examination.
- 15. Provision of supplementary examinations should be made once in a year in between the session.
- 16. A candidate, who fails in up to two papers, shall be admitted provisionally in the next year but she has to clear those papers in the next two subsequent attempts. If the candidate taking the supplementary examination along with next year examination her result of the next class will be declared only if she passes previous examination. In case if she fails to clear supplementary examination in two subsequent attempts she would be demoted and has to appear in all the subjects of that year (repeat the year) in the subsequent annual examination.
- 17. A candidate failing in more than two subjects will not be promoted to the next year and she has to appear in all the subjects of that year (repeat the year) in subsequent annual examination with regular course of instruction by paying the prescribed fee of that year. Furthermore, the candidate may have a provision to improve the internal assessment marks of that year.
- 18. The maximum period to complete the course successfully should not exceed eight years.
- 19. An examiner should be an Assistant Professor or above position in a College of Nursing with M.Sc. Nursing qualification in respective subject and minimum of 3 years of teaching experience after obtaining postgraduate nursing qualification at Collegiate/University level.
- 20. All the papers must be evaluated by subject experts only, and it is preferable for the nursing subjects to have both internal and external subject experts to evaluate different sections of the exam paper (Section B -External expert, Section C- Internal expert)
- 21. Maximum number of candidates for all practical examination should not exceed 30 per day.
- 22. All practical examinations must be held in the respective clinical areas.
- 23. Internal and External Examiner should jointly conduct practical examination of each student.
- 24. Grace marks and re-evaluation is not permitted in any subject. However, recounting of the papers may be allowed if a candidate desires.
- 25. Declaration of class shall be done as follows:

- b. A successful candidate obtaining 60% and more but less than 75% of marks in the grand total aggregate shall be declared to have passed with **First Class**.
- **c.** A successful candidate obtaining 50% and more marks but less than 60% of marks in the grand total aggregate shall be declared **Pass.**



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Examination Pattern and Internal Assessment

B.Sc. (Hons.) Nursing First Year

| Paper | Subject | Final | Intern | <mark>al Assessme</mark> ı | nt Weightage | e-Marks(%) | Question pattern for Internal and Final Exam | | |
|----------|-----------------------------|-----------|----------|----------------------------|---------------|-----------------|--|-----------------------------------|-----------------------------------|
| | | Exam | Total | Term I (30%) | Term II (30%) | Pre-final (40%) | Section A (MCQ) | Section B | Section C |
| Theory | | _ <u></u> | -37 | | | | 1 | | |
| I. | Anatomy & Physiology¥ | 25 25 | 25 25 | 7.5 7.5 | 7.5 7.5 | 10 10 | 10 x 0.5 marks 10 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| II. | Nutrition & Biochemistry¶ | 30 20 | 30 20 | 9 | 9 | 12 8 | 10 x 0.5 marks 10 x 0.5 marks | 1 x 10 marks(L) 3 x 5 marks(S) | 1 x 10 marks(L) 1 x 5 marks(S) |
| III. | Nursing Foundation | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| IV. | Psychology | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| V. | Microbiology | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| VI. | English* | 75 | 25 | 7.5 | 7.5 | 10 | 20 x 1 marks | 3 x 10 marks(L) | 5 x 5 marks(S) |
| VII. | Introduction to computers** | 75 | 25 | 7.5 | 7.5 | 10 | 20 x 1 marks [≠] | 3 x 10 marks(L) | 5 x 5 marks(S) |
| VIII. | Regional language*** | 75 | 25 | 7.5 | 7.5 | 10 | 20 x 1 marks [≠] | 3 x 10 marks(L) | 5 x 5 marks(S) |
| Practica | | • | | 1000 | | | 2 7 / | | |
| I. | Nursing Foundation | 100 | 100 | 30 (30%) | 30 (30%) | 40 (40%) | | NA | |

Note: NA-Not applicable MCQ-Multiple Choice questions S-Short answer questions/Short notes L-Long answer questions **College-level exam and Marks to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be included in the mark sheet *** College-level exam and Marks not to be incl

^{*}Anatomy and Physiology (25+25):- Question paper will consist of Section A of Both MCQ's (5+5 marks) and Section B of Anatomy (20 marks) and Section C of Physiology (20 marks).

Nutrition and Biochemistry (30+20):- Question paper will consist of Section A of Both MCQ's (5+5 marks) and Section B of Nutrition (25 marks) and Section C of Biochemistry (15 marks).

General Instruction: Both Section B & C need to be answered on a separate answer sheet.

B.Sc. (Hons.) Nursing Second Year

| Paper | Subject | | | | Question patte | ern for Internal a | nd Final Exam | | |
|-----------|--------------------------------|------|-------|--------------|----------------|---|-----------------|-----------------|-----------------|
| | | Exam | Total | Term I (30%) | Term II (30%) | Pre-final (40%) | Section A (MCQ) | Section B | Section C |
| Theory | , | AFA. | | | | V | | | 12 |
| IX. | Pharmacology | 25 | 25 | 7.5 | 7.5 | 10 | 10 x 0.5 marks | 1 x 10 marks(L) | 1 x 10 marks(L) |
| | Pathology & | 15 | 15 | 4.5 | 4.5 | 6 | 10 x 0.5 marks | 2 x 5 marks(S) | 2 x 5 marks(S) |
| | Genetics¥ | 10 | 10 | 3 | 3 | 4 | | | |
| X. | Medical Surgical Nursing | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) | 1 x 10 marks(L) |
| | (Adult including geriatrics)-I | | | | | | | 2 x 5 marks(S) | 2 x 5 marks(S) |
| XI. | Community Health Nursing -I | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) | 1 x 10 marks(L) |
| | | | | | | | | 2 x 5 marks(S) | 2 x 5 marks(S) |
| XII. | Communication and | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) | 1 x 10 marks(L) |
| | Educational Technology | | | | | | | 2 x 5 marks(S) | 2 x 5 marks(S) |
| XIII. | Sociology | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) | 1 x 10 marks(L) |
| | 1 | | | | AP. | · / / / / / / / / / / / / / / / / / / / | 1 0 16 | 2 x 5 marks(S) | 2 x 5 marks(S) |
| Practical | | | | | | | | | |
| II. | Medical Surgical Nursing | 100 | 100 | 30 (30%) | 30 (30%) | 40 (40%) | 101 | NA | |
| | (Adult including geriatrics)-I | 1 | | The same | | 6 | 3/ | | |

Note: NA-Not applicable

MCQ-Multiple Choice questions

S-Short answer questions/Short notes L-Long answer questions

General Instruction: Both Section B & C need to be answered on a separate answer sheet.

Pharmacology, Pathology, and Genetics [(25)+(15+10)]:- Question paper will consist of Section A of Both MCQ's- (Pharmacology+ Pathology=5+5 marks) and Section B of Pharmacology (20 Marks) and Section C of both Pathology (10 Marks) & Genetics (10 Marks).

B.Sc. (Hons.) Nursing Third Year

| Paper | Subject | Final | Intern | <mark>al Asses</mark> smen | t Wei <mark>ghtage-N</mark> | Marks(%) | Question pattern for Internal and Final Exa | | |
|----------|--|----------|----------|----------------------------|-----------------------------|-----------------|---|-----------------------------------|-----------------------------------|
| | | Exam | Total | Term I (30%) | Term II (30%) | Pre-final (40%) | Section A (MCQ) | Section B | Section C |
| Theory | | 150 | | | | _ > | 600 | | |
| XIV. | Medical Surgical Nursing (Adult including geriatrics)-II | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| XV. | Child Health Nursing | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| XVI. | Mental Health Nursing | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| XVII. | Nursing Research & Statistics¥ | 35 15 | 35 15 | 10.5 4.5 | 10.5 4.5 | 14 6 | 20 x 0.5 marks | 1 x 10 marks(L) 3 x 5 marks(S) | 3 x 5 marks(S) |
| Practica | il | 1 | | | - | | | | |
| III. | Medical Surgical Nursing (Adult including geriatrics)-II | 50 | 50 | 15 (30%) | 15 (30%) | 20 (40%) | // 0/ | NA | |
| IV. | Child Health Nursing | 50 | 50 | 15 (30%) | 15 (30%) | 20 (40%) | 1 | NA | |
| V. | Mental Health Nursing | 50 | 50 | 15 (30%) | 15 (30%) | 20 (40%) | 11 | NA | |

Note: NA-Not applicable

MCQ-Multiple Choice questions

S-Short answer questions/Short notes L-Long answer questions

*Nursing Research & Statistics (35+15):- Question paper will consist of Section A of MCQ's-(Research 10 marks) and Section B of Research (25 marks) and Section C of Statistics (15 marks).

General Instruction: Both Section B & C need to be answered on a separate answer sheet.

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B.Sc. (Hons.) Nursing Final Year

| Paper | Paper Subject | | Interna | Internal Assessment Weightage-Marks(%) | | | Question pattern for Internal and Final Exam | | |
|---------|--|------|---------|--|---------------|-----------------|--|-----------------------------------|-----------------------------------|
| | | Exam | Total | Term I (30%) | Term II (30%) | Pre-final (40%) | Section A (MCQ) | Section B | Section C |
| Theory | | | | | | | E-S | | |
| XVIII. | Midwifery and Obstetrical Nursing | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| XIX. | Community Health Nursing -II | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| XX. | Management of Nursing Services & Education | 50 | 50 | 15 | 15 | 20 | 20 x 0.5 marks | 1 x 10 marks(L) 2 x 5 marks(S) | 1 x 10 marks(L) 2 x 5 marks(S) |
| Practic | al | | | | 0 | | 2 | | |
| VI. | Midwifery and Obstetrical Nursing | 50 | 50 | 15 (30%) | 15 (30%) | 20 (40%) | 12 | NA | |
| VII. | Community Health Nursing | 50 | 50 | 15 (30%) | 15 (30%) | 20 (40%) | | NA | |

Note: NA-Not applicable

MCQ-Multiple Choice questions

S-Short answer questions/Short notes L-Long answer questions

General Instruction: Both Section B & C need to be answered on a separate answer sheet.

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QUESTION PAPER TEMPLATE

For all the papers **EXCEPT** for Paper I,II,VI,VII,VIII,IX, and XVII

| Duration: 2 hours | | Total marks: 50 |
|--------------------------------------|-------------|----------------------|
| | Section A | |
| Q1. Multiple Choice Questions | | $(20x\ 0.5 = 10)$ |
| Only choose the best answer type | | |
| 1-20 | | |
| Eg. 1. Stem/item (Question) | | |
| a. Option a | | |
| b. Option b | EDICAL CO. | |
| c. Option c | | |
| d. Opt <mark>ion d</mark> | | |
| | Section B | |
| Q2. Long Answer Questions. (Any one | 2) | $(1 \times 10 = 10)$ |
| A. Question | | |
| B. Question | | |
| Q3: - Short Answer Questions. (Any T | (wo) | $(2 \times 5 = 10)$ |
| A. Question | | |
| B. Question | | |
| C. Question | | |
| C. Question | Section C | |
| Q4. Long Answer Questions. (Any one | | $(1 \times 10 = 10)$ |
| A. Question | | $(1 \times 10 - 10)$ |
| B. Question | | |
| Q5. Short Answer Questions. (Any Tw | (2) | $(2 \times 5 = 10)$ |
| A. Question | <u>, o</u> | $(2 \times 3 - 10)$ |
| B. Question | | |
| | | |
| C. Qu <mark>estion</mark> | | |
| | | |
| E. D I A | | |
| For Paper I- Anatomy & Physiology | | TD 4 1 1 50 |
| Duration: 2 hours | G | Total marks: 50 |
| | Section A | (80 0 7 40) |
| Q1. Multiple Choice Questions | | $(20x\ 0.5 = 10)$ |
| Only choose the best answer type | | |
| 1-10 (Anatomy) | | |
| 11-20 (Physiology) | | |
| | Section B | |
| Anatomy | | |
| Q2. Long Answer Questions. (Any one | 2) | $(1 \times 10 = 10)$ |
| A. Question | | |
| B. Question | | |
| Q3. Short Answer Questions. (Any Tw | <i>vo</i>) | (2 X 5 = 10) |
| A. Question | _ | , |
| B. Question | | |
| C. Question | | |
| | Section C | |
| Physiology | | |

Physiology

| Q4. Long Answer Questions. (<u>Any one</u>) A. Question | $(1 \times 10 = 10)$ |
|---|--|
| B. Question Q5. Short Answer Questions. (Any Two) A. Question B. Question C. Question | $(2 \times 5 = 10)$ |
| For Paper II- Nutrition & Biochemistry Duration: 2 hours Section A | Total marks: 50 |
| Q1. Multiple Choice Questions Only choose the best answer type 1-10 (Nutrition) | $(20x\ 0.5 = 10)$ |
| 11-20 (Biochemistry) Section B Nutrition O2 Long Anguar Operations (Anguar) | (1 - 10 - 10) |
| Q2. Long Answer Questions. (<u>Any one</u>) A. Question B. Question Q3. Short Answer Questions. (<u>Any Three</u>) | $(1 \times 10 = 10)$ $(3 \times 5 = 15)$ |
| A. Question B. Question C. Question | |
| D. Question Section C Biochemistry | |
| Q4. Long Answer Questions. (Any one) A. Question | $(1 \times 10 = 10)$ |
| B. Question Q5. Short Answer Questions. (Any one) A. Question B. Question | $(1 \times 5 = 5)$ |
| For Paper IX- Pharmacology, Pathology & Genetics Duration: 2 hours | Total marks: 50 |
| Q1. Multiple Choice Questions Only choose the best answer type 1-10 (Pharmacology) | $(20x\ 0.5 = 10)$ |
| 11-20 (Pathology) Section B Pharmacology | |
| Q2. Long Answer Questions. (Any one) A. Question B. Question | $(1 \times 10 = 10)$ |
| Q3. Short Answer Questions. (Any Two) A. Question B. Question | $(2 \times 5 = 10)$ |

C. Question

Section C

Pathology & Genetics

Pathology

Q4. Long Answer Questions. (Any one)

 $(1 \times 10 = 10)$

- A. Question
- B. Question

Genetics

Q5. Short Answer Questions. (*Any Two*)

 $(2 \times 5 = 10)$

- A. Question
- B. Question
- C. Question

For Paper XVII- Nursing Research & Statistics

Duration: 2 hours Total marks: 50

Section A

Q1. Multiple Choice Questions

 $(20 \times 0.5 = 10)$

Only choose the best answer type 1-20 (Nursing Research only)

Section B

Nursing Research

Q2. Long Answer Questions. (Any one)

 $(1 \times 10 = 10)$

- A. Question
- B. Question

Q3. Short Answer Questions. (Any Three)

 $(3 \times 5 = 15)$

- A. Question
- B. Question
- C. Question
- D. Question

Section C

Statistics

Q4. Short Answer Questions. (Any Three)

 $(3 \times 5 = 15)$

- A. Question
- B. Question
- C. Question
- D. Question

For Paper VI- English

Duration: 3 hours Total marks: 75

Q1. Multiple Choice Questions

Only choose the best answer type

Q2. Long Answer Questions. (Any three)

1-20

(20x 1 = 20)

Section B

 $(3 \times 10 = 30)$

- A. Question
- B. Question
- C. Question
- D. Question

Section C

Q3. Short Answer Questions. (Any Five)

- A. Question
- B. Question
- C. Question
- D. Question
- E. Question
- F. Question

For Papers VII & VIII- Introduction to Computers and Regional language*

Duration: 3 hours Total marks: 75

Section A

Q1. Objective type $(20x\ 1=20)$

Includes multiple choices, fill in the blanks, matching etc,.

1-20

Section B

Q2. Long Answer Questions. (Any three)

 $(3 \times 10 = 30)$

 $(5 \times 5 = 25)$

- A. Question
- B. Question
- C. Question
- D. Question

Section C

Q3. Short Answer Questions. (Any Five)

 $(5 \times 5 = 25)$

- A. Question
- B. Question
- C. Question
- D. Question
- E. Question
- F. Question
- * College exams

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B.Sc. (HONS.) NURSING I YEAR

ANATOMY & PHYSIOLOGY

Placement: First Year **Time:** Theory- 60 + 60 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|----------------------|----------------------------|------------|-------------|
| I | Anatomy & Physiology | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper Subject | | Duration | Max. Marks (Final Exam) | |
|---------------|----------------------|----------|----------------------------|--|
| I | Anatomy & Physiology | 2 hours | 50 | |

The questions of both the subjects i.e. Anatomy & Physiology will be on the same question paper under demarked Sections B (Anatomy) & C (Physiology) and to be answered on separate answer books. Section A will include both MCQ's and to be answered on a common OMR sheet.

ANATOMY

Placement: First Year Time: Theory- 60 hrs

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|---------|----------|----------------------------|
| I | Anatomy | 1 hour | 25 |

Question paper pattern

| MCQ: | 10 x 0.5 | =05 Marks |
|----------------------------|----------|-----------|
| Essay type questions(LAQ): | 1 x 10 | =10 Marks |
| Short notes (SAQ): | 2 x 5 | =10 Marks |

Note: Anatomy section of Paper - I will be set and evaluated by the subject expert only. i.e. an examiner with a post-graduate degree in Anatomy with a minimum of 3 years of collegiate/university-level teaching experience.

Course Description: The course is designed to enable students to acquire knowledge of the normal structure of various human body systems & understand the alterations in anatomical structures in disease & practice of nursing.

<u>COLLEGE OF NURSING, ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI</u>

| Unit | Time | Learning | Content | | | | |
|------|-------|----------------------------------|---|--|--|--|--|
| No. | (hrs) | Objectives | | | | | |
| I | 5 | • Describe the | Introduction to Anatomical terms organization of the | | | | |
| | | anatomical terms, | human body | | | | |
| | | organization of | Human Cell structure. | | | | |
| | | human body and | • Tissues – Definition, Types, characteristics, classification, location, | | | | |
| | | structure of cell, | functions and formation. | | | | |
| | | tissues, | Membranes and glands – classification and structure | | | | |
| | | membranes and | Alterations in disease | | | | |
| | | glands. | Applications and implications in nursing | | | | |
| II | 6 | • Describe the | The Skeletal System 2 | | | | |
| | | structure and | Bones- types, structure, Axial & Appendicular Skeleton | | | | |
| | | function of bones | Bone formation and growth | | | | |
| | A | and joints. | Description of bones | | | | |
| | | (2) | Joints – classification and structure | | | | |
| | 11 - | | Alterations in disease | | | | |
| | | 7 | Applications and implications in nursing | | | | |
| III | 7 | • Describe the | The Muscular System | | | | |
| A | | structure and | Types and structure of muscles, muscles groups | | | | |
| | | function of | Alterations in disease | | | | |
| 1 | | muscles. | Applications and implications in nursing | | | | |
| IV | 6 | Describe the | The Nervous System | | | | |
| - ' | | structure and | Structure of neurologia & neurons | | | | |
| 1 | | | Somatic Nervous system | | | | |
| 2 | Ю | nervous system. | - Structure of brain, spinal cord, cranial nerves, spinal nerves and | | | | |
| 1 | 1 | | peripheral nerves | | | | |
| | | The last | Autonomic Nervous System | | | | |
| | 7 | (1) | - Sympathetic, parasympathetic - Structure and location | | | | |
| | - 1 | - | Alterations in disease | | | | |
| | | | Applications & implications in nursing | | | | |
| V | 6 | Describe the | The Sensory Organs | | | | |
| | | structure and | • Structure of skin, eye, ear, nose and tongue (Auditory and olfactory | | | | |
| | | functions of | apparatus) | | | | |
| | | sensory organs. | Alterations in diseases | | | | |
| | | | Applications and implications in nursing | | | | |
| VI | 7 | Describe the | Circulatory and lymphatic system | | | | |
| | | structure and | • The Circulatory system: Blood – Microscopic structure, Structure | | | | |
| | | function of | of Heart, Structure of blood vessels – Arterial & Venous System, | | | | |
| | | circulatory and | Circulation: systemic, pulmonary and coronary | | | | |
| | | lymphatic | Lymphatic system: Lymphatic vessels & lymph, | | | | |
| | | system. | Lymphatic tissues: Thymus gland, Lymph nodes, Spleen, | | | | |
| | | | Lymphatic nodules | | | | |
| | | | Alterations in disease | | | | |
| | | | Applications and implications in nursing | | | | |

| Unit | Time | Learning | Content |
|------|-------|----------------------------------|--|
| No. | (hrs) | Objectives | |
| VII | 5 | Describe the | The Respiratory System |
| | | structure and | Structure of the organs of respiration |
| | | functions of | Muscles of respiration: Intercostal and Diaphragm |
| | | respiratory | Alterations in diseases |
| | | system. | Applications and implications in nursing |
| VIII | 6 | Describe the | The Digestive system |
| | | structure and | Structure of alimentary tract and accessory organs of digestion |
| | | functions of | Alterations in disease |
| | | digestive system. | Applications and implications in nursing |
| IX | 4 | • Describe the | The Excretory System (Urinary) |
| | | structure and | Structure of organs of urinary system: Kidneys, ureters, urinary |
| | | functions of | bladder, urethra, Structure of Skin |
| | | excretory system | Alterations in disease |
| | 115 | 3 | Applications and implications in nursing |
| X | 4 | • Describe the | The Endocrine system |
| | | structure and | • Structure of Pituitary, pancreas, thyroid, parathyroid, thymus and |
| á | | functions of | adrenal glands |
| l (a | - | endocrine system | Alterations in diseases |
| | | | Applications and implications in nursing |
| XI | 4 | Describe the | The Reproductive system including breast |
| | | structure and | Structure of female reproductive organs |
| 1 | | functions of | Structure of male reproductive organs |
| | | Reproductive | Structure of breast |
| | 1 | system. | Alterations in diseases |
| | | | Applications and implications in nursing |

Teaching Learning Activities: Lecture cum discussion, Explain using microscopic slides, skeleton, torso, Demonstrate cells, types of tissues membranes and glands, Record book, Explain using charts, loose bones & joints, Explain using models, films, slides, specimens, Demonstrate & other A. V. aids etc.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

PHYSIOLOGY

Placement: First Year **Time:** Theory- 60 hrs

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|------------|----------|----------------------------|
| I | Physiology | 1 hour | 25 |

Question paper pattern

| MCQ: | 10 x 0.5 = 05 Marks |
|-----------------------------|---------------------------------|
| Essay type questions (LAQ): | 1 x 10 =10 Marks |
| Short notes (SAQ): | $2 \times 5 = 10 \text{ Marks}$ |

Note: Physiology section of Paper - I will be set and evaluated by the subject expert only. i.e. an examiner with a post-graduate degree in Physiology with a minimum of 3 years of collegiate/university-level teaching experience.

Course Description: The course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems & understand the alterations in physiology in diseases & practice of nursing.

| Unit | Time | Learning | Content | |
|------|-------|---------------------------------|---|--|
| No. | (hrs) | Objectives | | |
| I | 4 | • Describe the | Cell Physiology | |
| | 100 | physiology of cell, | Tissue- formation and repair | |
| | | tissues, membranes | Membranes & glands – Functions | |
| | - | &glands | Alterations in diseases | |
| | | 100 | Applications and implications in nursing | |
| II | 4 | • Describe the bone | Skeletal System | |
| | | formation & growth | Bone formation & growth | |
| | | and movements of | Bones – Functions and movements of bones of axial and | |
| | | skeleto <mark>n s</mark> ystem. | appendicular skeleton, bone healing | |
| | | 17. | Joints and joint movement | |
| | | 1000 | Alterations in disease | |
| | | | Applications and implications in nursing | |
| III | 4 | Describe the muscle | Muscular System | |
| | | movements and tone | Muscular movements, Muscle tone, physiology of muscle | |
| | | and demonstrate | contraction, levels and maintenance of posture | |
| | | muscle contraction & | Alterations in disease | |
| | | tone. | Applications and implications in nursing | |

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| Unit | Time | Learning | Content | |
|------|-------|----------------------|---|--|
| No. | (hrs) | Objectives | | |
| X | 5 | • Describe the | The Endocrine System | |
| | | physiology of | Functions of Pituitary, pineal body, thymus, Thyroid, | |
| | | Endocrine glands. | Parathyroid, Pancreas, Suprarenal, Placenta, ovaries & Testes | |
| | | | Alterations in disease | |
| | | | Applications and implications in nursing | |
| XI | 5 | Describe the | The Reproductive System | |
| | | physiology of male & | Reproduction of cells – DNA, Mitosis, meiosis | |
| | | female reproductive | spermatogenesis, oogenesis. | |
| | | system. | Functions of female reproductive organs; functions of breast, | |
| | | | Female sexual cycle. | |
| | | | Introduction to embryology | |
| | | | • Functions of male reproductive organs, Male function in | |
| | - /3/ | CAD | reproduction, Male fertility system | |
| | 77 | | Alterations in disease | |
| | | | Applications and implications in nursing | |
| XII | 2 | • Describe the | Lymphatic and Immunological system | |
| j. | | physiology of | Circulation of lymph | |
| 1 | | lymphatic & | • Immunity: Formation of T- cells and B cells, Types of Immune | |
| 4 | | immunological | response, Antigens, Cytokines, Antibodies | |
| | | system. | 1 | |

Teaching Learning Activities: Lecture cum discussion, Explain using charts, films, models, microscopic slides, specimens, Skeleton, bones, torso & other A.V. aids as applicable, Maintain Record book. Demonstration: joint moments, muscle movements, tone and contraction, nerve stimulus, reflex action, reflexes. Blood cell count, coagulation grouping, Hb estimation, Heart conduction system, Measurement of pulse & BP, Identification of normal ECG pattern etc.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books:

Recommended Books:

- 1. Chaurasia, B.D. Human anatomy; Vol 1 & 2:Regional & Applied, CBS Publishers, 2023
- 2. Sembulingam K- Essentials of Medical Physiology, 8th edition, Jaypee Brothers, 2019
- 3. Gerald J. Tortora & Bryan H. Derrickson: Toratora's Principles of Anatomy & Physiology, 15th edition, Wiley, 2017
- 4. Anne Wagh & Allison Grant: Ross & Wilson in Health & Illness. Anatomy & Physiology, 12th edition, Churchill Livingstone, 2014
- 5. Ashalatha P.R, Textbook of Anatomy & Physiology for Nurses, 3rd edition, Jaypee Brothers, 2021

Reference Books:

- 1. Basak AK- Viva in medical physiology, 2nd edition, Jaypee Brothers
- 2. Paul Annamma- Anatomy simplified for Nursing ¶medicial students, 2nd edition, Jaypee Brothers
- 3. Chaurasia, B.D. Hand book of genenral anatomy, 4th edition, CBS Publishers, 2019
- 4. Kadasne Kadasne's Textbook of Anatomy (clinically oriented Upper & Lower Extremities)-Vol 1& 2; 1st edition, Jaypee Brothers
- 5. Lippincott William & Wilkies- Anatomy & physiology: Made incredibly Easy; CBS Publishers, 2019
- 6. Shankar, Nachiket- Textbook of Anatomy and Physiology for Nurses, 2nd edition Elsevier, 2021

NUTRITION & BIOCHEMISTRY

Placement: First Year **Time:** Theory- 60 + 30 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|--------------------------|----------------------------|------------|-------------|
| II | Nutrition & Biochemistry | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|--------------------------|----------|----------------------------|
| II | Nutrition & Biochemistry | 2 hours | 50 |

The questions of both the subjects i.e. Nutrition & Biochemistry will be on the same question paper under demarked Sections B (Nutrition) & C (Biochemistry) and to be answered on separate answer books. Section A will include both MCQ's and to be answered on a common OMR sheet.

NUTRITION

Placement: First Year Time: Theory- 60 hrs

(Theory=45+Lab=15)

Scheme of examination (Theory / Written)

| Pa <mark>per</mark> | Subject | Duration | Max. Marks (Final Exam) |
|---------------------|-----------|---------------|-------------------------|
| II | Nutrition | 1 hour 10 min | 30 |

Question paper pattern

| MCQ: | 10 x 0.5 = 05 Marks |
|-----------------------------|---------------------------------|
| Essay type questions (LAQ): | 1 x 10 =10 Marks |
| Short notes (SAQ): | $3 \times 5 = 15 \text{ Marks}$ |

<u>Note:</u> Nutrition section of Paper - II will be set and evaluated by the subject expert only. i.e. an examiner with a post-graduate degree in Nutrition/ Dietics with a minimum of 3 years of collegiate/university-level teaching experience.

Course Description: The course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life & its application in practice of nursing.

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| Unit | Unit Time Learning C | | Learning | Content |
|------|----------------------|-----|---|---|
| No. | o. (hours) | | Objectives | |
| | Th. | Pr. | | |
| I | 4 | | Describe the Relationship between nutrition & Health. | Introduction Nutrition: History & Concepts Role of nutrition in maintaining health Nutritional problems in India National nutritional policy Factors affecting food and nutrition: socio- economic, cultural, tradition, production, system of distribution, life style and food habits etc Role of food & its medicinal value Classification of foods Food standards Elements of nutrition: macro and micro Calorie, BMR |
| II | 2 | | Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates | Carbohydrates Classification, Caloric value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism of carbohydrates Malnutrition: Deficiencies and Over consumption |
| III | 2 | | • Describe the classification, functions, sources and recommended daily allowances (RDA) of fats. | Fats Classification, Caloric value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism Malnutrition: Deficiencies and Over consumption |
| IV | 2 | | proteins. | allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism Malnutrition: Deficiencies and Over consumption |
| V | 3 | 4 | Describe the daily calorie requirement for different categories of persons | Energy Unit of Energy-Kcal Energy requirements of different categories of people Measurements of energy Body Mass Index (BMI)and basic metabolism Basal Metabolic Rate (BMR)- determination and factors affecting |
| VI | 4 | | Describe the classification, functions, sources and recommended daily allowances (RDA) of | Vitamins Classification, Recommended daily allowances, Dietary sources, Functions, Absorption, synthesis, metabolism, storage and excretion Deficiencies |

| Unit | Tin | ne | Learning | Content |
|------|------|------|--|--|
| No. | (hou | | Objectives | 30 |
| | Th. | Pr. | Ů | |
| | | | vitamins | Hypervitaminosis |
| VII | 4 | | Describe the | Minerals |
| | | | classification, | Classification, Recommended daily allowances, Dietary |
| | | | functions, sources and | sources, Functions, Absorption, synthesis, metabolism, |
| | | | recommended daily | storage and excretion |
| | | | allowances (RDA) of | Deficiencies |
| | | | minerals | Over consumption and toxicity |
| VIII | 3 | | • Describe the sources, | Water & Electrolytes 23 |
| | | | functions and | Water: Daily requirement, regulation of water |
| | | | requirements of Water | metabolism, distribution of body water |
| | 4 | | & electrolytes | • Electrolytes: Types, sources, composition of body fluids |
| | | | | Maintenance of fluid & electrolyte balance |
| | 115 | | | Over hydration, dehydration and water intoxication |
| | | | | Electrolyte imbalances |
| IX | 5 | 15 | Describe the Cookery | Cookery rules & preservation of nutrients |
| į į | | | rules & preservation | Principles, methods of cooking and serving & |
| į į | | | of nutrients | Preservation of nutrients. |
| | | | Prepare and serve | Safe food handling- toxicity |
| - 1 | El | | simple beverages and | Storage of food |
| ă. | | | different types of | Food Preservation, Food Additives & its principles |
| 1 | | | foods | Prevention of Food Adulteration Act (PFA) |
| | | | | Food Standards |
| | 1 | | | Preparation of simple beverages and different types of |
| | 1 | | | food |
| X | 7 | 5 | Describe and plan | Balanced diet |
| | | 316 | balanced diet for | • Elements, Food groups, Recommended dietary |
| | | 1 | different categories of | allowances, Nutritive value of foods |
| | | - 19 | people | • Calculation of balanced diets for different categories of |
| | | | Winds. | persons |
| | | | | Planning menu |
| | | | | Budgeting of food |
| | | 16 | | Introduction to therapeutic diets. |
| | | | | Naturopathy- Diet. |
| XI | 4 | | Describe various | Role of nurse in nutritional programs |
| | | | national programmes | National programmes related to nutrition |
| | | | related to nutrition | ☐ Vitamin A deficiency programme |
| | | | • Describe the role of | □ National iodine deficiency disorders (IDD) |
| | | | nurse in assessment of | programme |
| | | | nutritional status and | ☐ Mid – day meal programme |
| | | | nutrition education. | ☐ Integrated child development scheme (ICDS) |
| | | | | National & International Agencies Working towards for all proteins and account of the second control of |
| | | | | food / nutrition |

| Unit | Time | | Learning | Content | |
|------|---------|-----|----------------------------------|--|--|
| No. | (hours) | | Objectives | | |
| | Th. | Pr. | | | |
| | | | | ☐ NIPCCD, CARE, FAO, NIN, CFTRI(Central food | |
| | | | | technology & research Institute) etc | |
| | | | Assessment of nutritional status | | |
| | | | | Nutrition education and Role of nurse | |

Teaching Learning Activities: Lecture cum discussion, Explain using models, charts, slides, film, specimens, panel discussion as applicable. Maintain practical record book, Demonstrations: Calculation of BMR, Food handling, Storage and preservation of foods, Assessment of nutritional status, Meal planning. **Practice sessions:** Calculation of BMR, Food handling, Meal planning for different categories of persons, Planning therapeutic diets.

Assessment Methods: Essay type, Short answer questions, Exercise on menu planning, Objective type, Assessment of practice sessions etc.

Books

Recommended Books:

- 1. Swaminathan: Hand Book of Food and Nutrition, Bapco publishers, 2021
- 2. Darshan Sohi: A comprehensive textbook of Nutrition and dietetics, 3rd edition, Jaypee, 2022
- 3. B. Srilakshmi: Human Nutrition(For B.Sc. Nursing Students), 2nd edition, New Age International Publishers,
- 4. Kavitha Sudheer: A Textbook of Nutrition for First Year B.Sc. students, Florence Publishers, 2020
- 5. Harbans lal: A textbook of applied Biochemistry and Nutrition & Dietetics for B.Sc. Nursing students, CBS Publishers, 2022

Reference Books:

- 1. Sunil Natha Mhaske: Essentials of Nutrition, CBS Publishers, 2015
- 2. Neelam Khetarpaul, Sudha Katyal and Vipul Khetarpaul: Normal and Therapeutic Nutrition, Daya Publishing House, 2022
- 3. K E. Elizabeth: Nutrition and Child Development, 6th edition, Paras Medical Publisher, 2022
- 4. Monica Sharma: Textbook of Nutrition and Dietetics for B.Sc. Nursing students, CBS Publishers, 2022
- 5. Shivananda Nayak. B: Handbook of Biochemistry and Nutrition, 3rd edition, Jaypee, 2015

BIOCHEMISTRY

Placement: First Year **Time:** Theory- 30 hrs

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|--------------|----------|----------------------------|
| II | Biochemistry | 50 min | 20 |

Question paper pattern

| MCQ: | 10 x 0.5 = 05 Marks |
|-----------------------------|---------------------|
| Essay type questions (LAQ): | 1 x 10 = 10 Marks |
| Short notes (SAQ): | 1 x 5 =05 Marks |

<u>Note:</u> Biochemistry section of Paper - II will be set and evaluated by the subject expert only. i.e. an examiner with a post-graduate degree in Medical/Clinical Biochemistry with a minimum of 3 years of collegiate/university-level teaching experience.

Course Description: The course is designed to assist the students to acquire knowledge of the normal biochemical composition & functioning of human body & understand the alterations in biochemistry for diseases in practice of nursing.

| Unit No. | Time (hrs) | Learning Objectives | Content | |
|-------------|------------|--|---|--|
| I | 3 | Describe the structure composition & function of cell. Differentiate between prokaryote & Eukaryote cell. Identify techniques of | Introduction Definition and significance in nursing Review of structure, Composition and functions of cell Prokaryote and Eukaryote cell organization Microscopy | |
| II | 6 | Describe the structure & functions of cell membrane. | Structure and functions of Cell membrane Fluid mosaic model tight junction, Cytoskeleton Transport mechanism: diffusion, osmosis, filtration, active channel and sodium pump Acid base balance- maintenance & diagnostic tests, PH buffers | |
| III | 6 | • Explain the metabolism of carbohydrates. | Composition and metabolism of carbohydrates Types, structure, composition and uses, Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides Metabolism: Pathways of glucose: Glycolysis, Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle, Glycogenolysis, | |

31

| Unit | Time | Learning | Content | |
|------------|-------|-------------------------------|---|--|
| No. | (hrs) | Objectives | | |
| | | | Pentose phosphate Pathways (Hexose mono phosphate), | |
| | | | Regulation of blood glucose level | |
| | | | Investigations and their interpretations | |
| IV | 4 | Explain the | Composition and metabolism of Lipids | |
| | | metabolism of lipids. | Types, structure, composition and uses of fatty acids, | |
| | | | Nomenclature, Roles and prostaglandins | |
| | | | Metabolism of fatty acid: Breakdown, Synthesis, Metabolism | |
| | | | of triacylglycerols | |
| | | | • Cholesterol metabolism, Biosynthesis and its regulation, Bile | |
| | | | salts and bilirubin, Vitamin D, Steroid hormones | |
| | | | Lipoproteins and their functions: VLDLs – IDLs, LDLs and | |
| | - 4 | | HDLs, Transport of lipids, Atherosclerosis | |
| T 7 | | | Investigations and their interpretations | |
| V | 6 | • Explain the | Composition and metabolism of Amino acids and | |
| | // | metabolism of amino | proteins | |
| | | acids and proteins. | Types, structure, composition and uses of Amino acids | |
| 1 | | | and proteins Matchalian of amina acids and matching Protein | |
| l A | | | Metabolism of amino acids and proteins: Protein synthesis, targeting and glycosylation, Chromatography, | |
| | | | Electrophoresis, Sequencing | |
| | | | Metabolism of Nitrogen: Fixation and assimilation, Urea cycle, | |
| 1 | | | Hemes and chlorophylls | |
| 1 | | | Enzymes and co-enzymes: Classification, Properties, Kinetics | |
| | 1 | | and inhibition, Control | |
| | X. | | Investigations and their interpretations | |
| VI | 2 | • Describe types, | Composition of Vitamins and Minerals | |
| | - 1 | composition & | • Vitamins and minerals: Structure, Classification, Properties, | |
| | | utilization of Vitamins | Absorption, Storage & transportation, Normal concentration | |
| | | & minerals. | Investigations and their interpretations | |
| VII | 3 | • Describe | Immunochemistry | |
| | | immunochemistry. | Immune response, Structure and classification of | |
| | | | Immunoglobins, Mechanism of antibody production, Antigens: | |
| | | | HLA typing, Free radical and Antioxidants | |
| | | 1100 | Specialized protein: Collagen, Elastin, Keratin, Myosin, Lens | |
| | | 1000 | protein | |
| | | | Electrophoretic and Quantitative determination of | |
| | | | immunoglobins- ELISA etc. Investigation and their | |
| | | | interpretations | |

Teaching Learning Activities: Lecture cum discussion, Explain using charts, films, slides, as applicable. Maintain Record book, Demonstration: Use of microscope, blood glucose monitoring, laboratory tests etc.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books

Recommended Books:

- 1. U. Satyanarayana: Essentials of Biochemistry, 6th edition, Elsevier, 2021
- 2. Harper's Illustrated Biochemistry, 32nd edition, Mc. Graw Hill Lange, 2022
- 3. D M Vasudevan: Textbook of Biochemistry for Medical Students, 10th edition, Jayee, 2022

Reference Books:

- 1. Denise R Ferrier Lippincott Illustrated Biochemistry, Wolters Kluwers, 2020
- 2. S.P.Singh & A N Singh: Textbook of Biochemistry, 7th edition, CBS Publishers, 2021
- 3. Manjula Shantaram, Nutrition and Biochemistry for B.Sc. Nursing, Jaypee, 2011
- 4. Harbans lal: A textbook of applied Biochemistry and Nutrition & Dietetics for B.Sc. Nursing students, CBS Publishers, 2022
- 5. Amardeep kour: Textbook of applied biochemistry for B.Sc Nursing students, Vision health science publishers, Recent edition
- 6. M.N. Chaterjea: Textbook of Medical biochemistry, Jaypee, 2012

NURSING FOUNDATIONS

Placement: First Year **Time: Theory-** 265 hrs

Practical: 750 hours (200 Lab & 550 Clinical)

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|---------------------|----------------------------|------------|-------------|
| III | Nursing Foundations | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|---------------------|----------|----------------------------|
| III | Nursing Foundations | 2 hours | 50 |

Question paper pattern

| MCQ: | $20 \times 0.5 = 10 \text{ Marks}$ |
|-----------------------------|------------------------------------|
| Essay type questions (LAQ): | $2 \times 10 = 20 \text{ Marks}$ |
| Short notes (SAQ): | 4 x 5 = 20 Marks |

<u>Note:</u> An examiner / paper setter in the subject of Paper – III: Nursing Foundations need to have a post graduate degree in Nursing in any nursing specialty (Medical Surgical Nursing/Child Health Nursing/Mental Health Nursing/Community Health Nursing/Midwifery and Obstetrical Nursing) with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to help the students to develop an understanding of the philosophy, objectives, theories & process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding & skills in techniques of nursing & practice them in supervised clinical settings.

| Unit | Time | | Learning | Content | |
|------|-------|---|--------------------|---------|---|
| No. | (hrs) | | Objectives | 3 | |
| I | 10 | • | Describe the | Ir | troduction |
| | | | concept of health, | • | Concept of health: Health-illness continuum, Factors influencing |
| | | | illness and health | À | health, causes and risk factors for developing illness |
| | | | care agencies. | • | Body defenses: Immunity and immunization |
| | | | | • | Illness and illness behaviour: Impact of illness on patient and |
| | | | | | family |
| | | | | • | Health care services: Health promotion and prevention, primary |
| | | | | | care, diagnosis, treatment, rehabilitation and continuing care |
| | | | | • | Health care teams |
| | | | | • | Types of health care agencies: Hospitals: Types, organization and |
| | | | | | functions |
| | | | | • | Health promotion and levels of disease prevention |
| | | | | • | Primary health care and its delivery: Role of nurse |

COLLEGE OF NURSING, ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI

| Unit | Time | Learning | Content | |
|------|-------|--|---|--|
| No. | (hrs) | Objectives | | |
| П | 16 | Explain concept and Scope of Nursing Describe values, code of ethics and professional conduct for nurses in India | Nursing as a Profession: Definition and characteristics of a profession Nursing: Definition, concepts, philosophy, objectives, Characteristics, nature and scope of nursing practice, Fundtions of nurse, Qualities of a nurse, Categories of Nursing personnel | |
| III | 4 | • Explain the | Hospital Admission and Discharge | |
| | | admission & discharge procedure. • Performs admission & discharge procedure. | Admission to the hospital: Unit and its preparation-admission bed, Admission procedure, Special considerations, Medico legal issues, Roles and responsibilities of the nurse Discharge from the hospital: Types: Planned discharge, LAMA and abscond, Referrals and transfers, Discharge planning, Discharge procedure, Special considerations, Medico legal issues, Roles and responsibilities of the nurse, Care of the unit after discharge. | |
| IV | 10 | • Communicate | Communication and Nurse Patient Relationship | |
| V | 15 | Effectively with the patient, families and team members and Maintain effective Human relations (projecting professional image) • Appreciate the importance of patient teaching in nursing • Explain the concept, | Communication: Levels, elements, types, modes, process, factors influencing communication, Methods of effective communication: Attending skills, rapport building skills, empathy skills, barriers to Effective communication. Helping relationship (NPR): Dimensions of helping relationship, phases of helping relationship. Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable groups (Children, women, physically and mentally challenged and elderly) Patient teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing process, | |
| | | uses, format and steps of nursing process Documents nursing process as per the format | Critical thinking and Nursing Judgement: Critical thinking: Thinking and Learning, Competencies, Attitudes for Critical thinking, levels of critical thinking in Nursing Nursing process overview: Application in practice Nursing process format: INC, Current format Assessment: Collection of data: Types, sources, methods, , | |

| No. | (hrs) | Objectives | | |
|------|-------|---|--|--|
| | | | | |
| | | | Planning: Establishing priorities, establishing goals and expected outcomes, selection of interventions: protocols and standing orders, Writing the Nursing care plan Implementation: Implementing the plan of care Evaluation: Outcome of care, Review and Modify Documentation and reporting | |
| VI | 4 | • Describe the | Documentation and Reporting | |
| | A | purposes types and techniques of recording and reporting. | Documentation: Purposes of recording and reporting Communication within the health care team Types of records: ward records, medical/nursing records Common Record-keeping forms, Computerized documentation Guideline for reporting: Factual basis, Accuracy, Completeness, Correctness, Organization, confidentiality Methods of Recording Reporting: Change of shift reports, Transfer reports, incident reports | |
| | 10- | | Minimizing legal liability through effective record keeping | |
| VII | 15 | Describe principles and techniques of monitoring and maintaining vital signs Monitor and maintain vital signs | Guidelines for taking vital signs Body temperature: Physiology, regulation, factors affecting body temperature, Assessment of body temperature: sites, equipments and technique, special considerations, Temperature alterations: Hyperthermia, Hypothermia, Heatstroke, Hot and cold applications. Pulse: Physiology and regulation, Characteristics of the pulse, Factors affecting pulse, Assessment of pulse: sites, location, equipments and technique, special considerations, Alterations in pulse. Respiration: Physiology and regulation, Mechanics of breathing, Characteristics of the respiration, Factors affecting respiration, Assessment of respirations: techniques, special consideration, Alteration in respiration. Blood pressure: Physiology and regulation, Characteristics of the blood pressure; Factors affecting blood pressure, Assessment of blood pressure: sites, equipments and technique, special considerations, Alterations in blood pressure Recording of vital signs | |
| VIII | 30 | Describe purpose & process of health assessment. Describe the health assessment of each body system. Perform health | | |

| Unit | Time | Learning | Content | |
|------|-------|--|---|--|
| No. | (hrs) | Objectives | Recording of health assessment | |
| | | assessment of each | | |
| TV | - | body system. | Marking Engineer And Line | |
| IX | 5 | • Identifies the | Machinery, Equipment and Linen | |
| | | various machinery, | Types: Disposables and reusables-Linen, rubber goods, | |
| | | equipment, and | glassware, metal, plastics, furniture, machinery | |
| | | linen and their care. | Introduction: Indent, maintenance and inventory. | |
| X | 60 | Describe basic, | Meeting Needs of Hospitalized Patient | |
| | | physiological & | Basic needs (Activities of daily living) | |
| | | psycho-social | Providing safe and clean environment: | |
| | | needs of the | - Physical-environment: Temperature, Humidity, Noise, | |
| | | patient. | Ventilation, light, Odour, pests control, Reduction of | |
| | | Describe the | Physical hazards: fire, accident, Safety devices: Restraints, | |
| | | principles & | side rails, airways, trapez etc | |
| | 11 - | techniques for | Role of nurse in providing safe and clean environment | |
| | // | meeting basic, | Hygiene: Factors influencing hygienic practice. | |
| | 1 | physiological & | - Hygienic care: Care of the skin- Bath and pressure points, feet | |
| | | psycho-social | and nail, Oral cavity, Hair care, Eyes, Ears and Nose. | |
| | | needs of the | Assessment, Principles, Types, Equipments, Procedure, | |
| | | patient. | Special considerations. | |
| | 100 | Perform nursing | - Patient environment: Room equipment and linen, making | |
| | | assessment, plan, | patient beds | |
| 1 | | implement & | Types of beds and bed making | |
| | | evaluate the care | ☐ Comfort: Factors influencing comfort, Comfort devices | |
| | 1 | for meeting basic, | | |
| | | physiological & | ☐ Sleep and rest: Physiology of sleep, Factors affecting sleep, | |
| | 7// | psycho-social | Promoting rest & sleep, Sleep disorders | |
| | 1 | needs of the | Nutrition: Importance and factors affecting nutritional needs, | |
| | | patient. | Assessment of nutritional needs, Variables, Meeting | |
| | | 1/200 | nutritional needs: Principles, Equipments, Procedure and | |
| | | 11/27 | Special considerations: Oral, Enteral: Naso/Orogastric, | |
| | | | gastrostomy, Parenteral | |
| | | | Urinary elimination: Review of Physiology of urine elimination, | |
| | | The same of the sa | composition and characteristics of urine, Factors influencing | |
| | | | urination, Alteration in urinary elimination, Types and | |
| | | | collection of urine specimen: Observation, urine testing, | |
| | | | Facilitating urine elimination: assessment, types, equipments, | |
| | | | procedures and special considerations | |
| | | | o Providing urinal/bed pan, Condom urinary drainage, | |
| | | | Perineal care, Catheterization, Care of urinary drainage, | |
| | | | Care of urinary diversions, Bladder irrigation | |
| | | | Bowel elimination: Review of Physiology of bowel elimination, | |
| | | | Composition and characteristics of faces, Factors affecting | |
| | | | bowel elimination, Alteration in bowel elimination, Types and | |
| | | | collection of specimen of faeces: Observation, Facilitating | |
| | | | bowel elimination: assessment, equipments, procedures and | |

| Unit | Time | Learning | Content |
|------|-------|------------|--|
| No. | (hrs) | Objectives | |
| No. | (hrs) | Objectives | special considerations Passing of flatus tube, Enemas, Suppository, Sitz bath, Bowel wash, Care of ostomies Mobility and Immobility: Principles of body mechanics, Maintenance of normal body alignment and mobility, Factors affecting body alignment and mobility, Hazards associated with immobility, Alteration in body alignment and mobility: Nursing interventions for impaired body alignment and mobility: Sursing interventions for impaired body alignment and mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects. Range of motion exercises, Maintaining body alignment: Position, Moving, lifting, Transferring, Walking, Restraints. Oxygenation: Review of Cardiovascular and Respiratory Physiology, Factors affecting oxygenation, Alterations in oxygenation, Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations Maintenance of patent airway, Oxygen administration, Suction, Inhalations: dry and moist, Chest physiotherapy and postural drainage, Care of chest drainage, Pulse oximetry, CPR-Basic life support (BLS) Fluid, Electrolyte and Acid-Base Balance Review of Physiological regulation of Fluid, Electrolyte, and Acid-Base Balances, Factors affecting Fluid, Electrolyte, and Acid-Base Balances, Nursing interventions in Fluid, Electrolyte, and Acid-Base Balances, Nursing interventions in Fluid, Electrolyte, and Acid-Base Balances, Replacement of Fluids: Oral and Parenteral-Venipuncture, Regulating IV Flow rates, Changing IV solutions and tubing, Changing IV dressing, Administering Blood transfusion, Restriction of fluids. Psychosocial Needs: Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual health, Coping with loss, death and grieving Assessment of psychosocial needs, Nursing intervention for psychosocial needs, Assisting with coping and adaptation, Creating a therapeutic environment, Recreational and diversional therapies. |

| Unit | Time | Learning | Content | |
|------|-------|--|---|--|
| No. | (hrs) | Objectives | | |
| No. | (hrs) | Objectives | with a safety syringes. Routes of parenteral therapies Intradermal: purpose, site, equipment, procedure and special consideration. Subcutaneous: purpose, site, equipment, procedure and special consideration. Intramuscular: purpose, site, equipment, procedure and special consideration. Intravenous: purpose, site, equipment, procedure and special consideration. Advanced techniques: epidural, intrathecal, intraosseous, intraperitonial, intraplural, intraarterial-Role of nurse Topical Administration: Purposes, site equipment, procedure special considerations for application to Skin Application to mucous membrane Direct application of liquids — Gargle and swabbing the throat Insertion of Drug into body cavity: Suppository / medicated packing in rectum / vagina Instillation: Ear, Eye, Nasal, Bladder and Rectal Irrigation: Eye, Ear, Bladder, Vaginal and Rectal Spraying: Nose and throat Inhalation: Nasal, oral,endo tracheal / tracheal(steam, oxygen, and medications)- purposes, types, equipment, procedure, special considerations | |
| XIII | 10 | Describe the pre and post operative care of patients. Explain the process of wound healing. Explain the principles & techniques of wound care. Perform care of wounds | Definition and concept of peri-operative nursing Preoperative phase: Preparation of patient for surgery Intra-operative phase: Operation theatre set up and environment, Role of nurse. Postoperative phase: Recovery unit and post operative unit., Postoperative care Wounds: types, classifications wound healing process, factors affecting wound, complications of wound healing Surgical asepsis Care of the wound: types, equipments, procedure and special considerations Dressings, Suture care, Care of drainage, Application of | |
| XIV | 15 | Explain care of patients having alterations in body functioning | bandages, binders, Splints and slings, Heat and cold therapy Meeting special needs of the patient Care of patients having alteration in Temperature(hyper and hypothermia): Types, Assessment, Management | |
| | | body functioning | Assessment, Management | |

| Unit | Time | Learning | Content | |
|------|-------|---|---|--|
| No. | (hrs) | Objectives | | |
| XV | 5 | • Explain care of terminally ill patients. | □ Sensorium (Unconsciousness): Assessment, Management □ Urinary Elimination (retention and incontinence): Assessment , Management □ Functioning of sensory organs: (visual & hearing impairment): Assessment of Self-care ability, Communication Methods and special considerations □ Mobility (physically challenged, cast) assessment of self-care ability: Communication Methods and special considerations □ Mental state (mentally challenged), assessment of Self-Care ability, Communication Methods and special considerations □ Respiration (distress); Types, Assessment, Management □ Comfort-(pain)-Nature, Types, Factors influencing pain, coping, Assessment; Management • Treatments related to Gastrointestinal system: nasogastric suction, gastric irrigation, gastric analysis Care of terminally ill patient • Concepts of loss, grief, grieving process • Signs of clinical death • Care of dying patient: special considerations: Advance directives: euthanasia, will, dying declaration, organ donation etc. Medico-Legal issues • Care of dead body: equipment, procedure and care of unit, | |
| XVI | 6 | • Explain the basic | Autopsy and embalming Professional Nursing concepts and practices | |
| | | concepts of conceptual & theoretical models of nursing. | Conceptual and theoretical models of nursing practice: Introduction to models-holistic model, health belief model, health promotion model, etc. Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's Linking theories with nursing process | |

Teaching Learning Activities: Lecture cum discussion, Case Discussion, Role play, Demonstration, Visit to Healthcare agencies, Practice session, Supervised clinical practice. Assessment Methods: Essay type, Short answer questions, Objective type etc. Practical sessions: Assess skills with check list and clinical practical examination.

Books

Recommended Books:

- Patricia Potter- Potter and Perry 's Essentials of Nursing Foundation, 3rd South Asian Ed, Elsevier
- 2. Taylor Carol Fundamentals Of Nursing, 8Th Ed, LWW India
- 3. Annamma Jacob -CLINICAL NURSING PROCEDURES: THE ART OF NURSING PRACTICE, 4th Ed, Jaypee publication
- 4. Omayal Achi College of Nursing -Manual of Nursing procedures and Practice, 3rd Ed, LWW
- 5. Marilynn E. Doenges & Mary Frances Moorhouse-Nursing care Plans

- 1. Nettina Sandra M. -Lippincott Manual Of Nursing Practice, 10Th Ed, LWW India
- 2. Sr.Nancy -Stapheinie's Principles and Practice of Nursing Volume-1 & 2 , , N.R.Publishing House
- 3. Audrey Berman- Kozier & Erb's FUNDAMENTALS OF NURSING ,10th Ed, Pearson publications
- 4. Meg. Gulanik -NURSING CARE PLAN: DIAGNOSES,INTERVENTIONS & OUTCOMES, 9th Ed, Mosby publications.

PSYCHOLOGY

Placement: First Year Time: Theory- 60 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|------------|---------------------|------------|-------------|
| IV | Psychology | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | |
|-------|------------|----------|----------------------------|----|
| IV | Psychology | 2 hours | 50 | 43 |

Question paper pattern

| MCQ: | 20 x 0.5 = 10 Marks |
|-----------------------------|----------------------------------|
| Essay type questions (LAQ): | $2 \times 10 = 20 \text{ Marks}$ |
| Short notes (SAQ): | $4 \times 5 = 20 \text{ Marks}$ |

<u>Note:</u> An examiner / paper setter in the subject of Paper – IV: Psychology need to have a post graduate degree in Psychology / Psychiatric nursing with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to assist the students to acquire knowledge of fundamentals of psychology & develop an insight into behaviour of self & others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

| Unit | Time | Learning | Content | |
|------|-------|----------------------------------|---|--|
| No. | (hrs) | Objectives | | |
| I | 2 | Describe the | Introduction | |
| | | history, scope & | History and origin of science of psychology | |
| | | methods of | Definitions & Scope of psychology | |
| | | psychology. | Relevance to nursing | |
| | | The same | Methods of psychology | |
| II | 4 | Explain the | Biology of behaviour | |
| | | biology of | Body mind relationship-modulation process in health and illness | |
| | | human | Genetics and behaviour: Heredity and environment | |
| | | behavior. | Brain and behaviour: Nervous System, Neurons and synapse, | |
| | | | Association Cortex, Rt and Lt Hemispheres, Psychology of | |
| | | | Sensations, Muscular and glandular controls of behaviour | |
| | | | Nature of behaviour of an organism/ Integrated responses | |

| (hrs) | Objectives | | |
|-------|--|--|--|
| | | | |
| 20 | • Describe various cognitive processes & their applications. | Cognitive Processes Attention: Types, determinants, Duration & degree & alterations Perception: Meaning, Principles, factors affecting, Errors, Learning: Nature, Types, Learner and learning, Factors influencing, laws and theories, process, transfer, study habits Memory: Meaning, Types, Nature, Factors influencing, Development, Theories and methods of memorizing & Forgetting Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, uses and theories Aptitude: Concept, types, Individual differences and variability Psychometric assessment of cognitive processes Alterations in cognitive process | |
| Q | • Doggriba | • Applications Motivation and Emotional processes: | |
| 7 | motivation, emotions, stress, attitudes & their influence on behavior. Explain the concepts of personality & its influence on behavior. | Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration and conflict resolution Emotions & stress Emotion: Definition, components, Changes in emotions, theories, emotional adjustment, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes, Attitudinal changes Psychometric assessments of emotions and attitudes Alterations in emotions Applications Personality: Definitions, topography, types, Theories Psychometric assessments of personality Alternations in personality Applications | |
| 7 | Describe psychology of people during | Developmental Psychology: Psychology of people at different ages from infancy to old age Psychology of vulnerable individuals- challenged, women, sick etc | |
| | the life cycle. | Psychology of groups | |
| 8 | Describe the Characteristic of mentally healthy person. Explain ego defense | Mental hygiene and mental Health: Concepts of mental hygiene and mental health Characteristics of mentally healthy person Warning signs of poor mental health Promotive and preventive mental health- strategies and services Ego Defense mechanisms and implications Personal and social adjustments | |
| | 7 | 8 • Describe motivation, emotions, stress, attitudes & their influence on behavior. 7 • Explain the concepts of personality & its influence on behavior. 7 • Describe psychology of people during the life cycle. 8 • Describe the Characteristic of mentally healthy person. • Explain ego | |

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|---|---|
| 4 | - |

| Unit | Time | Learning | Content | |
|------|-------|-------------------------------|--|--|
| No. | (hrs) | Objectives | | |
| | | | Role of nurse | |
| VIII | 4 | Explain the | Psychological assessment & tests: | |
| | | Psychological assessment & | • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment | |
| | | role of nurse. | and Role of hurse in psychological assessment | |

Teaching Learning Activities: Lecture cum discussion, Case Discussion, Role play, Demonstration, Psychometric assessment etc.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books

Recommended Books:

- 1. R Sreevani- Applied psychology for nurses, 4th edition, Jaypee publishers
- 2. Bhatia BD, Craig M- Elements of psychology and mental hygiene for nurses in India, 4th edition, The Orient Blackswan publishers
- 3. PR Nalini- Principles of psychology for graduate nurses, 1st edition, Jaypee publications

- 1. Basavanna M, Psychology for nurses, 1st edition, Jaypee publications
- 2. Mangal S.K, Psychology for nursing, 1st edition, Avichal publishing company.
- 3. Vir Vikram Sahdev Singh, Psychology for nurses, 1st edition, Kumar publishing house
- 4. Jacob Anthikad, Psychology for graduate nurses, 5th edition, Jaypee medical publishers

MICROBIOLOGY

Placement: First Year **Time: Theory-** 60 hrs

(Theory 45 + 15 lab)

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|--------------|---------------------|------------|-------------|
| V | Microbiology | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 46 |
|-------|--------------|----------|----------------------------|----|
| V | Microbiology | 2 hours | 50 | |

Question paper pattern

| MCQ: | $20 \times 0.5 = 10 \text{ Marks}$ |
|-----------------------------|------------------------------------|
| Essay type questions (LAQ): | 2 x 10 =20 Marks |
| Short notes (SAQ): | $4 \times 5 = 20 \text{ Marks}$ |

Note: An examiner / paper setter in the subject of Paper – V: Microbiology need to have a post graduate degree MD / M.Sc. in Medical Microbiology with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable students to acquire understanding of fundamentals of micro-biology & identification of various micro-organisms. It also provides opportunities for practicing infection control measures in hospital & community settings.

| Unit | Tin | ne | Learning | Content | |
|------|------|------------|---|---|--|
| No. | (hou | rs) | Objectives | | |
| | Th. | Pr. | | CONTRACT CONTRACT | |
| I | 5 | A. Carrier | • Explain concepts and | Introduction | |
| | | 10 | principles of | Importance and relevance of microbiology to nursing | |
| | | | microbiology and their | Historical perspective | |
| | | | importance in nursing | Concepts and terminology | |
| | | | | Principles of microbiology | |
| II | 10 | 5 🤜 | Describe structure, | General characteristics of Microbes | |
| | | | Classification | Structure and classification of Microbes. | |
| | | | morphology and | Morphological types, Size and form of bacteria, Motility, | |
| | | | growth of bacteria | Colonization, growth and nutrition of microbes: | |
| | | | Identify | Temperature, Moisture, Blood and body fluids | |
| | | | Microorganisms | Laboratory methods of identification of Microorganisms | |
| | | | | • Staining techniques, Gram staining, Acid fast staining, | |
| | | | | Hanging drop preparation | |
| | | | | Culture: various medias | |

| Unit | Tin | ne | Learning | Content |
|------|------|-----|---|--|
| No. | (hou | | Objectives | Content |
| 1,00 | Th. | Pr. | o o o o o o o o o o o o o o o o o o o | |
| III | 10 | | Describe the methods | Infection control |
| | | | of infection controlIdentify the role of nurse in hospital | Infection: Sources, portals of entry and exit, transmission. Asepsis |
| | | | infection control programme | Disinfection & sterilization: Types and methods Chemotherapy and antibiotics |
| | | | AE OF MED | Standard safety measures Biomedical waste management Role of Nurse |
| | | | The same | Hospital acquired infection, Hospital infection control programmes, Protocols, collection of samples, preparation of report and status of rate of infection in the unit / hospital, nurse's accountability, continuing |
| | 1 | | _ | education etc. |
| IV | 12 | 4 | Describe different disease producing organisms | Pathogenic organisms Micro-organisms: Cocci-gram positive and gram negative, bacilli-gram positive and gram negative, Spirochaete, Mycoplasma, Rickettsiae, Chlamydiae. Viruses Fungi-Superficial and deep mycoses Parasites Rodents and vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease produing micro-organisms Collection, handling and transportation of various specimens |
| V | 8 | 4 | • Explain the concept of | Immunity |
| | | | immunity, | Immunity- Types, classification |
| | | | hypersensitivity and | Antigen and antibody reaction |
| | | | immunization | Hypersensitivity- skin test |
| | | | | Serological tests |
| | | -6 | | • Immunoprophylaxis |
| | | | 1000 | Vaccines and sera- Types and Classification, storage and handling, cold chain |
| | | | | - Immunization for various diseases |
| | | | | - Immunization schedule |

Teaching Learning Activities: Lecture cum discussion, Demonstration, clinical practice, visits to CSSD.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books

Recommended Books:

- Ananthanarayana- Textbook of Microbiology, 11th edition, Universities Press (India) Pvt. Ltd
- 2. Baveja- Textbook of Microbiology, 6th edition, APC publishers
- 3. I Kannan- Essentials of Microbiology for Nurses, 1st edition, Elsevier publications
- 4. Anju Dhir- Textbook Of Microbiology For Bsc & Post Basic Nursing Students, CBS Publications
- 5. Vasanthakumari, R- Textbook of microbiology, Wolters Kluwers publishers
- 6. Shenoy, Suchitra- Essential Microbiology for nurses, EMMESS publishers

- Rajesh Bhatia, Rattan Lal Ichhpujani- Microbiology for Nurses, 2nd edition, Jaypee publishers
- Satish Gupte- The Short Textbook Of Medical Microbiology, 11th edition, Jaypee publishers
- G. Swarna- A Textbook of Microbiology, 2nd edition, Florence Publishers
- Sandeep Kaur- A Textbook of Microbiology for Nurses, 2nd edition, Lotus publications

ENGLISH

Placement: First Year **Time: Theory-** 60 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|---------|---------------------|------------|-------------|
| VI | English | 25 | 75 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | |
|-------|---------|----------|----------------------------|----|
| VI | English | 3 hours | 75 | 49 |

Question paper pattern

| MCQ: | 20 x 1 | =20 Marks |
|-----------------------------|--------|-----------|
| Essay type questions (LAQ): | 3 x 10 | =30 Marks |
| Short notes (SAQ): | 5 x 5 | =25 Marks |

<u>Note:</u> An examiner / paper setter in the subject of Paper – VI: English need to have a post graduate degree in the concerned subject with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable student to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in spoken and written English during clinical and classroom experiences.

| Unit No. | Time (hrs) | Learning Objectives | Content |
|-------------|------------|--|---|
| I | 10 | Speak and write grammatically correct English | Review of grammer Remedial study of grammer Buidling vocabulary Phonetics Public speaking |
| II | 30 | Develop the ability to Read, Understand and express meaningfully the prescribed text | Read and comprehend the prescribed course book |
| III | 10 | Develop writing skills of composition. | Various forms of composition: Letter writing, Note taking, Precis writing, Nurses notes, Anecdotal records, Diary writing, Reports on health problems etc., Resume/CV |
| IV | 6 | Develop skills in spoken english | Spoken English: Oral report, Discussion, Debate, Telephonic conversation |
| V | 4 | Develop skills in listening comprehension. | Listening comprehension: Media, audio, video and Speeches etc |

Teaching Learning Activities: Demonstrate use of dictionary, Class-room conversation, Exercise on use of grammar, Practice in public speaking, Exercise on reading: Summarizing, Comprehension, writing, Letter writing, Nurses notes, Precis writing, Diary, Anecdote, health problems, Story writing, Resume/CV, Essay writing, Discussion, Exercises on written reports/documents, Exercise on debating, Participating in seminar, panel, symposium, Telephonic conversation, Listening to audio, video tapes, and identifying key points.

Assessment Methods: Essay type, Short answer questions, Objective type like fill in the blanks, paraphrasing, Assessment of skills based on the checklist etc.

Books

Recommended Books:

- 1. V. Bernice Ebenezer English for B.Sc. Nursing, 3rd edition, Florence Publishers
- 2. Koorkkalaka Tom, Communicative English for Nursing Students, 1ST edition, K.J. Publications, Kerala

- 1. B. Reddy Prasad, A textbook of English for BSc Nursing First year students, 1st Edition, Vijayam Publications.
- 2. Manisha Mistry, Mahesh Shinde, Reddy Prasad, A Textbook of Communicative English for B.Sc. Nursing First Year SEMESTER-I (As per INC New syllabus 2022-2023), 1st Edition, Vijayam Publications.

INTRODUCTION TO COMPUTERS

(College Level Examination)*

Placement: First Year **Time: Theory-** 45 hrs

(Theory=15+Lab=30)

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|-----------------|---------------------|------------|-------------|
| VII | Introduction to | 25 | 75 | 100 |
| V 11 | computers | 25 | 75 | 100 |

Scheme of examination (Theory / Written)

| I | Paper | Subject | Duration | Max. Marks (Final Exam) |
|---|-------|---------------------------|----------|----------------------------|
| | VII | Introduction to computers | 3 hours | 75 |

Question paper pattern

| MCQ (One-word): | 20 x 1 | =20 Marks (MCQs, fill in blanks and matching) |
|-----------------------------|--------|---|
| Essay type questions (LAQ): | 3 x 10 | =30 Marks |
| Short notes (SAQ): | 5 x 5 | =25 Marks |

^{*-}Marks will be included in the marksheet

Note: The appointment of examiner will be made by the Principal of the college concerned under intimation to the Dean (Examination)/ Controller of Examination, keeping in mind the minimum eligibility criteria stipulated. An examiner / paper setter in the subject of Paper – VII: Introduction to Computers need to have a post graduate degree in the concerned subject with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed for students to develop basic understanding of uses of computer and its applications in nursing.

| Unit | Tin | | Learning | Content |
|------|---------|-----|--|---|
| No. | (hours) | | Objectives | |
| | Th. | Pr. | A STORY | |
| I | 3 | | • Identify and define various | Introduction |
| | | 46 | concepts used in computers | Concepts of computers |
| | | | Identify application of | Hardware and software |
| | | | computers in nursing | Application of computers in nursing |
| II | 6 | 20 | Describe and Use the Disk | Introduction to Disk Operating System: DOS, |
| | | | Operating System | windows (all versions) |
| | | | Demonstrate skills in the | • Introduction to: MS-Word, MS-Excel with pictorial |
| | | | use of MS office | presentation, MS- Access, MS-Powerpoint |
| | | | | |
| III | 2 | 3 | Demonstrate skill in using | Multimedia; types & uses |
| | | | multi-media | Computer aided teaching and testing |
| | | | Identify features of | |
| | | | computer aided teaching | |

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| Unit | Time | | Learning | Content |
|------|---------------------|--------|-------------------------------|--|
| No. | (hours) | | Objectives | |
| | Th. Pr. | | | |
| | | | and testing | |
| IV | 1 | 3 | • Demonstrate use of Internet | et • Use of Internet and e-mail |
| | | | and e-mail | |
| V | 2 | 2 | • Describe the use of | Statistical packages: types and their features |
| | | | statistical packages | |
| VI | 1 | 2 | • Describe the use of | Hospital Management System: Types and uses |
| | Hospital Management | | Hospital Management | 52 |
| | | System | | 34/31 |

Teaching Learning Activities: Lecture, Discussion, Demonstration, Practice sessions.

Assessment Methods: Essay type, Short answer questions, Objective type, practical exam and viva voce.

Books

Recommended Books:

- 1. Dr. M.V.S.S.N. Prasad, Introduction to Computers, 5th Edition, Florence Publishers
- 2. Deepak Sethi, Sukhbir Kaur, Nursing informatics and technology (computers for nurses),
 Recent publication. Jaypee Publishers

- 1. Priyanka Randhir, Computer 4 Nurses As Per The Syllabus Of INC For Bsc (N), 2017 Edition, CBS Publishers.
- 2. Durgi Charani, Introduction to computers for First Year B.Sc Nursing, 2019 Edition, VIJAYAM

REGIONAL LANGUAGE (TELUGU)

(College Level Examination)**

Placement: First Year **Time: Theory-** 30 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|-------------------|---------------------|------------|-------------|
| VIII | Regional language | 25 | 75 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 53 |
|-------|-------------------|----------|----------------------------|----|
| VIII | Regional language | 3 hours | 75 | |

^{**-}Marks will not be included in the marksheet

Question paper pattern

| MCQ (One-word): | 20 x 1 | =20 Marks (MCQs, fill in blanks and matching) |
|-----------------------------|--------|---|
| Essay type questions (LAQ): | 3 x 10 | =30 Marks |
| Short notes (SAQ): | 5 x 5 | =25 Marks |

Note: The appointment of examiner will be made by the Principal of the college concerned under intimation to the Dean (Examination)/ Controller of Examination, keeping in mind the minimum eligibility criteria stipulated. An examiner / paper setter in the subject of Paper – VIII: Regional Language need to have a post graduate degree in the concerned subject with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable student to enhance ability to comprehend spoken and written Telugu required for effective communication in their professional work. Students will practice their skills in spoken and written Telugu during clinical and classroom experiences.

Note:

- 7. The curriculum for the subject regional language (Telugu) will be same that is used for the Undergraduate programme in medical course, AIIMS, Mangalagiri.
- 8. The areas of coverage include but not limited to Reading and comprehension, Writing and Compositions, and Functional Grammar etc., for the total duration of 30 hours.

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B.Sc. (HONS.) NURSING II YEAR

PHARMACOLOGY, PATHOLOGY & GENETICS

Placement: Second Year **Time:** Theory- 45+(30+15) hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|------------------------------------|----------------------------|------------|-------------|
| IX | Pharmacology, Pathology & Genetics | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | |
|-------|------------------------------------|----------|----------------------------|----|
| IX | Pharmacology, Pathology & Genetics | 2 hours | 50 | 55 |

The questions of the subjects i.e. Pharmacology, Pathology & Genetics will be on the same question paper under demarked Sections B (Pharmacology) & C (Pathology & Genetics) and to be answered on separate answer books. Section A will include both MCQ's and to be answered on a common OMR sheet.

PHARMACOLOGY

Placement: Second Year Time: Theory- 45 hrs

Scheme of examination (Theory / Written)

| Pa <mark>per</mark> | Subject | Duration | Max. Marks (Final Exam) |
|---------------------|--------------|----------|-------------------------|
| IX | Pharmacology | 1 hour | 25 |

Question paper pattern

| MCQ: | 10 x 0.5 = 05 Marks |
|-----------------------------|----------------------------------|
| Essay type questions (LAQ): | $1 \times 10 = 10 \text{ Marks}$ |
| Short notes (SAQ): | $2 \times 5 = 10 \text{ Marks}$ |

Note: Pharmacology section of Paper - IX will be set and evaluated by the subject expert only. i.e. an examiner with a post-graduate degree in Pharmacology with a minimum of 3 years of collegiate/university-level teaching experience.

Course Description: This course is designed to enable students to acquire understanding of pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications

| Unit | Time | Learning | Content |
|------|-------|------------------------------|--|
| No. | (hrs) | Objectives | |
| I | 3 | Describe | Introduction to Pharmacology |
| | | pharmacodynamics, | Definitions, Sources, Terminology use, Types: |
| | | pharmacokinetics, | Classification |
| | | classification and the | Pharmacodynamics: Actions, therapeutic, Adverse, toxic |

<u>COLLEGE OF NURSING ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI</u>

| Unit | Time | Learning | Content | |
|------|-------|--|--|--|
| No. | (hrs) | Objectives | | |
| | | principles of drug administration | Pharmacokinetics: Absorption, distribution, metabolism, interaction, excretion | |
| | | | Review: Routes and principles of administration of drugs | |
| | | | Indian pharmacopoeia: Legal issues | |
| | | | Rational use of drugs | |
| | | | Principles of therapeutics | |
| II | 6 | Explain chemotherapy of | Chemotherapy | |
| | | specific infections and | Pharmacology of commonly used: Penicillins, | |
| | | infestations and nurse's | Cephalosporins, Aminoglycosides, Macrolide & Broad 5 | |
| | | responsibilities. | spectrum Antibiotics, Sulfonamides, Quinolones, | |
| | | | Antiamoebic, Antimalarials, Antihelmintics, Antiscabies | |
| | , a | | agents, Antiviral & anti-fungal agents, Antitubercular | |
| | - 2 | A | drugs, Antileprosy drugs, Anticancer drugs, Immuno- | |
| | 7) | | suppressants | |
| | 7 | | Compositions, Actions, Dosage, route, indications, | |
| | 1 | | contraindications, drug intoxications, side effects, adverse | |
| 1 | 17- | | effects, toxicity and Role of nurse | |
| III | 2 | Describe antiseptics, | Pharmacology of commonly used antiseptics, | |
| - 4 | | disinfectants, | disinfectants and insecticides | |
| | | insecticides and nurse' | Antiseptics: Composition, action, dosage, route, | |
| 3 | | responsibilities | indications, contraindications, drug interactions, side- | |
| 9 | | responsibilities | effects, adverse effects, toxicity, and role of nurse | |
| 1 | | | Disinfectants | |
| | 7 | | | |
| TX7 | 2 | D 11 1 1 | • Insecticides | |
| IV | 2 | Describe drugs acting on | A STATE OF THE PARTY OF THE PAR | |
| | | Gastrointestinal system | Pharmacology of commonly used: Antiemetics, Emetics, | |
| | | and nurse's | Purgatives, Antacids, Cholinergic, Anticholinergics, Fluid | |
| | | responsibilities. | and electrolyte therapy, Anti diarrhoeals, Histamines | |
| | | 10% | Composition, action, dosage, route, indications, | |
| | | The state of the s | contraindications, drug Interactions, side effects, adverse | |
| | | | effects toxicity and role of nurse | |
| V | 2 | Describe drugs used on | Drugs used on Respiratory system | |
| | | | Pharmacology of commonly used: Antiasthmatics, | |
| | | nurse's responsibilities. | Mucolytics, Decongestants, Expectorants, Antitussives, | |
| | | | Bronchodilators, Broncho constrictors, Antihistamines | |
| | | | Composition, action, dosage, route, indications, | |
| | | | contraindications, drug Interactions, side effects, adverse | |
| | | | effects toxicity and role of nurse | |
| VI | 2 | Describe drugs used on | Drugs used on Urinary system | |
| | | Urinary system and | Pharmacology of commonly used: Diuretics and | |
| | | nurse's responsibilities. | Antidiuretics, Urinary antiseptics, Cholinergics and | |
| | | | anticholinergics, Acidifiers and alkalanizers | |
| | | | Composition, action, dosage, route, indications, | |
| | | | contraindications, drug Interactions, side effects, adverse | |

| Unit | Time | Learning | Content | | |
|------|-------|--|---|--|--|
| No. | (hrs) | Objectives | | | |
| | | | effects toxicity and role of nurse | | |
| VII | 4 | Describe drugs used in | Miscellaneous | | |
| | | deaddiction, | Drugs used in deaddiction | | |
| | | emergency, deficiency | Drugs used in CPR & emergency | | |
| | | of vitamins & minerals, | Vitamins and minerals | | |
| | | positioning, for | Immunosuppressants | | |
| | | immunization and | • Antidotes | | |
| | | immunosuppression and | Antivenom | | |
| | | nurse's responsibilities. | Vaccines and Sera | | |
| VIII | 1 | Describe drugs used on | Drugs used on skin and mucous membranes | | |
| | | skin and mucous | Topical applications for skin, eye, ear, nose and buccal | | |
| | - 4 | membranes and nurse's | cavity, Antipruritic | | |
| | | responsibilities | Composition, action, dosage, route, indications, | | |
| | | | contraindications, drug interactions, side effects, adverse | | |
| | | 7 | effects, toxicity and role of a nurse | | |
| IX | 8 | Describe drugs used on | Drugs used on Nervous system | | |
| 3 | | nervous system and | -Basic & applied pharmacology of commonly used: | | |
| l A | | nurse's responsibilities | Analgesics and Anaesthetics | | |
| | | | Analgesics: Nonsteroidal anti-inflammatory (NSAIDS) | | |
| | | | drugs Hypnotics and sedatives: Opiods Non-Opiods | | |
| 9 | | | Hypnotics and sedatives: Opiods, Non-Opiods, | | |
| 1 | | | Tranquilizers, General & local anesthetics | | |
| | | | - Gases: oxygen, nitrous oxide, carbon dioxide | | |
| | N. | | • Cholinergic and anti-cholinergics: Muscle relaxants, | | |
| | 3/2 | | Major tranquilizers, Anti-psychotics, Anti-depressants, Anti-convulsants, Adrenergic, Nonadregenecs, Mood | | |
| | | | stabilizers, Acetylcholine, Stimulants | | |
| | | | Composition, action, dosage, route, indications, | | |
| | | 1/200 | contraindications, drug interactions, side effects, adverse | | |
| | | 17/2 | effects, toxicity and role of a nurse | | |
| X | 5 | Describe drugs used on | Cardiovascular Drugs | | |
| | | Cardiovascular system and | | | |
| | | nurse's responsibilities. | hypertensives & vasodilators, Anti-arrythmatics, Plasma | | |
| | | | expanders, Coagulants & anti-coagulants, Antiplatelet & | | |
| | | | thrombolytic Hypolipidemics | | |
| | | | Composition, action, dosage, route, indications, | | |
| | | | contraindications, drug Interactions, side effects, adverse | | |
| | | | effects toxicity and role of nurse | | |
| XI | 4 | • Describe drugs used for | Drugs used for hormonal disorders and supplementation, | | |
| | | hormonal disorders and | contraception and medical termination of pregnancy | | |
| | | supplementation | Insulins & oral hypoglycemics, Thyroid supplements and | | |
| | | contraception and medical | suppressants, Steroids, anabolics, Uterine stimulants and | | |
| | | termination of pregnancy | relaxants, Oral contraceptives, Other estrogen- | | |
| | | and nurse's | progesterone preparations, Corticotrophine & | | |

| Time | Learning | Content | | | |
|-------|-------------------------|---|--|--|--|
| (hrs) | Objectives | | | | |
| | responsibilities. | gonadotrophines, Adrenaline, Prostaglandins, Calcitonin, Calcium salts, Calcium regulators • Composition, action. Dosage, route, indications, contraindications, drug interaction, side effects, adverse effects, toxicity and role of nurse | | | |
| 6 | • Demonstrate awareness | Introduction to drugs used in alternative systems of | | | |
| | of the common drugs | medicine | | | |
| | used in alternative | Ayurveda, Homeopathy, Unani and Siddha etc. | | | |
| | (hrs) | (hrs) Objectives responsibilities. 6 • Demonstrate awareness of the common drugs | | | |

Teaching Learning Activities: Lecture cum discussion, Drug study/ Presentation, Observational visits.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books

Recommended Books:

- 1. Ud<mark>ayakuma</mark>r, Padmaja- Pharmacology for Nurses, Jaypee publications
- 2. Pathaina, Joginder Singh- Textbook of pharmacology for nursing students, CBS Publishers
- 3. K D Tripathi- Essentials of Medical Pharmacology, 8th edition, Jaypee publishers
- 4. Jeane Schera C- Lippincott's Nurses Drug Manual, JB Lippincote publications
- 5. Lilley-Pharmacology and the nursing process, Mosby publishers

- 1. Tara Shanbhag, Veena Nayak, Smita Shenoy- Pharmacology For Nurses, 2nd edition, Elsevier publishers
- 2. Rang, H.P- Pharmacology, Elsevier publications
- 3. Adams, M. Patrick- Pharmacology for nurses, Pearson publications
- 4. Krishnaraj- Textbook of pharmacology for nurses, EMMESS publishers

PATHOLOGY & GENETICS

Placement: Second Year **Time:** Theory- 45 hrs

Pathology 30 hrs (Theory=20+Lab=10) Genetics 15 hrs

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|----------------------|----------|----------------------------|
| IX | Pathology & Genetics | 1 hour | 25 |

Question paper pattern

| A- | Pathology | | <i>B</i> - | Genetics | |
|--------------------|-----------|-----------|--------------------|----------|-----------|
| MCQ: | 10 x 0.5 | =05 Marks | MCQ: | NA | =00 Marks |
| Essay type (LAQ): | 1 x 10 | =10 Marks | Essay type (LAQ): | NA | =00 Marks |
| Short notes (SAQ): | NA | =00 Marks | Short notes (SAQ): | 2 x 5 | =10 Marks |

Note: Pathology & Genetics section of Paper - IX will be set and evaluated by the subject expert only. i.e. for Pathology an examiner must be with a post-graduate degree in Pathology/ Post graduate degree in Medical and Surgical Nursing with a minimum of 3 years of collegiate/university-level teaching experience, and for Genetics an examiner must be with a post-graduate degree in Anatomy/Human Genetics/ Post graduate degree in Medical and Surgical Nursing with a minimum of 3 years of collegiate/university-level teaching experience.

A. PATHOLOGY

Course Description: This course is designed to enable students to acquire knowledge of Pathology of various disease conditions & apply this knowledge in practice of nursing.

| Unit | Tin | ne | Learning | Content | |
|------|------|------|------------------------------------|---|--|
| No. | (hou | rs) | Objectives | 2-010/1 | |
| | Th. | Pr. | Williams | THE THE WAY | |
| Ι | 3 | | Define the common | Introduction | |
| | | | terms used in | ☐ Importance of the study of pathology, Definition of | |
| | | - 19 | pathology | terms, Methods & techniques | |
| | | | Appreciate the | Cellular & tissue changes | |
| | | | deviations from | ☐ Infiltration and regeneration | |
| | | | normal to abnormal | ☐ Inflammations and infections, Wound healing, | |
| | | | structure and functions | Vascular changes | |
| | | | of the body system | ☐ Cellular growth, Neoplasms: Normal and cancer cell, | |
| | | | | Benign and malignant growths, In situ carcinoma | |
| | | | | Disturbances of fluid and electrolyte balance | |

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| Unit | Time | | Learning | Content | | |
|------|------|-----|--|---|--|--|
| No. | (hou | | Objectives | | | |
| | Th. | Pr. | | | | |
| II | 10 | 5 | Explain pathological | Special pathology | | |
| | | | changes in disease | Pathological changes of disease conditions of various | | |
| | | | condition of various | systems: | | |
| | | | sysstems | Respiratory tract: Tuberclosis, Bronchitis, Pleural | | |
| | | | | effusion and pneumonia, Lung abscess, Emphysema, | | |
| | | | | bronchiectasis, Bronchial Asthma, Chronic | | |
| | | | 1000 | obstructive Pulmonary disease & tumours | | |
| | | | WE WILL | • Carido-vascular system: Pericardial effucion, Rheumatic | | |
| | | | | heart disease, Infective endocarditis, atheroscelerosis, | | |
| | | | 777 | Ischemia, infarction & aneurysm | | |
| | | | | • Gastro Intestinal Tract: Peptic ulcer, typjhoid, | | |
| | | | | Carcinoma of GI tract-buccal, Esophageal, Gastric & | | |
| | | | | intestinal | | |
| | | | | Liver, Gall bladder & pancreas: Hepatiitis, Chronic liver | | |
| | | | | abscess, cirrhosis, Tumours of Liver, gall bladder and | | |
| | | | | pancreas, Cholesystitis | | |
| 1 | | | | Kidneys & Urinary tract: Glomerulonephritis, | | |
| 9 | | | | Pyelonephritis, Calculi, renal failure, renal carcinoma & | | |
| | | | | cystitis | | |
| 8 | | | | Male genital systems: Cryptorchidism, testicular | | |
| 3 | | | | atrophy, Prostatic hyperplasia, carcinoma penis & | | |
| | | | | prostate | | |
| | | | | Female genital system: Fibroids, Carcinoma cervix and | | |
| | | | | Endometrium, Vescicular mole, choriocarcinoma, | | |
| | | 1 | 1 | Ectopic gestation, Ovarian cyst & tumours, Cancer breast | | |
| | | | The same | Central Nervous system: Hydrocephalus, Meningitis, | | |
| | | | | encephalitis, Vascular disorders- thrombosis, embolism, | | |
| | | | (6.7) | Stroke, paraplegia, quadriplegia, Tumours, | | |
| | | | The state of the s | meningiomas-gliomas, Metastatic tumour | | |
| | | | 415/101 | Skeletal system: Bone healing, osteoporosis, | | |
| | | | | osteomyelitis, Arthritis & tumours | | |
| III | 4 | 3 | Describe various | Clinical pathology | | |
| | | | laboratory tests in | Various blood and bone marrow tests in assessment and | | |
| | | | assessment and | monitoring of disease conditions | | |
| | | | monitoring of disease | Hemoglobin, RBC, white cells & platelet counts, | | |
| | | | conditions | Bleeding time, clotting time and prothrombin time, | | |
| | | | | Blood grouping and cross matching | | |
| | | | | Blood chemistry | | |
| | | | | Blood Capture | | |
| | | | | Serological and Immunological tests | | |
| | | | | Other blood tests | | |
| L | | | | Examination of bone marrow | | |

| Unit | Tir | ne | Learning | Content | |
|------|------|------|---|---|--|
| No. | (hou | ırs) | Objectives | | |
| | Th. | Pr. | | | |
| | | | | Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiological tests inference and normal values | |
| IV | 2 | 1 | Describe the laboratory | Examination of body cavity fluids, transudates | |
| | | | tests for examination of | and exudates | |
| | | | body cavity fluids, | The laboratory tests used in CSF analysis | |
| | | | transudates and exudates | • Examination of other body cavity fluids, transudates and exudates-sputum, wound discharge etc. | |
| | | 1 | | Analysis of gastric and duodenal contents | |
| | | 16 | 1) | • Analysis of semen-sperm count, motility and | |
| | | | 200 | morphology and their importance in infertility | |
| | | 5-9 | | Methods of collection of CSF and other cavity fluids | |
| | | 7 | | specimen for various clinical pathology, biochemistry, | |
| | // | | A . | microbiology tests, inference and normal values. | |
| V | 1 | 1 | Describe the laboratory | Urine and Faeces | |
| 3 | | | tests for examination of | Urine: Physical characteristics, Analysis, Culture | |
| A | | | Urine and faeces | and Sensitivity | |
| | | | 0 | • Faeces: Characteristics, Stool examination: occult | |
| 1 | F. | | | blood, ova, parasite and cyst, reducing substance | |
| 1 | | | | etc | |
| | | | | Methods of collection for various tests, inference | |
| | 1 | | | and normal values | |

Teaching Learning Activities: Lecture cum discussion, Demonstration, Explain using charts, slides, specimens, X-rays and Scans, Visit to pathology lab, endoscopy unit and OT, Clinical pathology & Bio-Chemistry lab and Blood bank etc.

Assessment Methods: Essay type, Short answer questions, Objective type etc.

Books

Recommended Books:

- 1. Textbook of Pathology and Genetics for Nurses, Elsevier Publications, Sonal Sharma, 1st edition, 2015
- Textbook of Pathology and Genetics for BSc Nursing Students, Chaitra K, Suma K, Jaypee Brothers Medical Publishers; first edition, 2015
- 3. Textbook of Pathology and Genetics for Nurses, Ramadas Nayak (Author), Jaypee Brothers Medical Publishers; 2nd edition, 2017
- 4. Textbook of Pharmacology, Pathology And Genetics For Nurses (2Vols), Sharma Suresh K, Jaypee Brothers Medical Publishers; first edition, 2016

Reference Books:

- Text Book Of Pathology & Genetics For Nursing, Purnima S. Rao, 2nd edition, Emmess publications, 2014
- 2. Textbook Of Pathology, Harsh Mohan, Jaypee Brothers Medical Publishers, 6th edition, 2023
- 3. Concise Pathology for Exam Preparation, Geetika Khanna, Elsevier India; 3rd edition, 2016
- 4. Robbins and Cotran Review of Pathology, Edward C. Klatt MD, Elsevier; 4th edition,2014
- 5. Robbins And Kumar Basic Pathology, Vinay Kumar MBBS MD FRCPath, Elsevier India, 2017
- 6. Pathologic Basis of Diseases, Robbins & Cotran, W.B.Saunders Publishers, 10th edition, 2020
- 7. Illustrated Pathology, Govan, Churchill Livingstone, Publishers, 1995

B. GENETICS

Course Description: This course is designed to enable students to acquire understanding of Genetics, it role in causation and management of defects and diseases.

| Unit | Time | Learning | Content | |
|------|-------|-------------------------------------|--|--|
| No. | (hrs) | Objectives | | |
| I | 3 | Explain nature, | Introduction | |
| | 100 | principles and | Practical application of genetics in Nursing | |
| | 19 | perspectives of | Impact of genetic condition on families | |
| | | heredity | • Review of cellular division, mitosis and meiosis, Characteristics | |
| | | 15-2 | and structure of genes | |
| | | Service Control | Chromosomes-sex determination, Chromosomal aberrations | |
| | | | Patterns of inheritance: Mendalian theory of inheritance, | |
| | | | Multiple allots and blood groups, Sex linked inheritance, | |
| | | | Mechanism of inheritance, Errors in transmission (Mutation) | |
| II | 3 | • Explain maternal, | Maternal, prenatal and genetic influences on development of | |
| | | prenatal and genetic | | |
| | | influences on | Conditions affecting the mother: genetic and infections, | |
| | | development of | Consanguinity, atopy, Prenatal nutrition and food allergies, | |
| | | defects aand diseases | Maternal age, Maternal drug therapy, Prenatal testing and | |
| | | | diagnosis, Effect of radiation, drugs and chemicals, Infertility, | |
| | | | Spontaneous abortion, Neural tube defects and the role of folic | |
| | | | acid in lowering the risks, Down syndrome (Trisomy 21) | |
| III | 2 | • Explain the screening | | |
| | | methods for genetic | Screening for congenital abnormalities, Developmental delay, | |
| | | defects and diseases | Dysmorphism | |

| | | in neonates and children | |
|----|---|---|---|
| IV | 2 | Identify genetic disorders in adolescents and adults. | Genetic conditions of adolescents and adults Cancer genetics- Familial cancer, Inborn errors of metabolism, Blood group alleles and haematological disorders, Genetic haemochromatosis, Huntington's disease, mental illness |
| V | 5 | Describe the role of nurse In genetic services and counselling. | Services related to genetics: Genetic testing Human genome project Gene therapy The Eugenics movement Genetic counseling, Legal and Ethical Issues, Role of Nurse |

Teaching Learning Activities: Lecture cum discussion, Demonstration, Explain using charts, slides, specimens, X-rays and Scans, Visit to pathology lab, endoscopy unit and OT, Clinical pathology & Bio-Chemistry lab and Blood bank etc.

Assessment Methods: Short answer questions, Objective type etc.

Books

Recommended Books:

- 1. Textbook Of Genetics And Nursing, S N Chugh, 1st Edition, Arya Publications, 2022
- 2. Human Genetics in Nursing, Suresh K Sharma, 2nd edition, Jaypee publications, 2010
- 3. Genetics And Genomics In Nursing, Suresh K Sharma, Jaypee Brothers Medical Publishers, 3rd edition, 2016

- 1. Genetics Principles, Concept and Implications, H.K.Jain, Oxford & I.B.H, 2012
- 2. Human Genetics, Gangane .S.D, Elsevier Publications, 6th Edition, 2021.
- 3. Basic human genetics, Kapur, V, Jaypee Publications, 3rd Edition, 2021

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

Placement: Second Year Time: Theory- 210 hrs

Practical: 720 hours

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|---|------------------------|------------|-------------|
| X | Medical Surgical Nursing (Adult including Geriatrics)-I | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|---|----------|----------------------------|
| X | Medical Surgical Nursing (Adult including Geriatrics)-I | 2 hours | 50 |

Question paper pattern

| MCQ: | $20 \times 0.5 = 10 \text{ Marks}$ |
|--------------------|------------------------------------|
| Essay type (LAQ): | 2 x 10 =20 Marks |
| Short notes (SAQ): | 4 x 5 = 20 Marks |

<u>Note:</u> An examiner / paper setter in the subject of Paper – X: Medical Surgical Nursing (Adult including Geriatrics)-I need to have a post graduate degree in Medical Surgical Nursing specialty with a minimum 3 years of collegiate / University level teaching experience.

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

| Unit | Time | Learning | Content |
|------|-------|--|--|
| No. | (hrs) | Objectives | |
| I | 15 | Appreciate trends in medical and surgical nursing Describe the role of a Nurse in caring for adult patients in hospital & Community Describe the concept of Medical Surgical asepsis | Introduction Introduction to Medical Surgical Nursing- Evaluation and trends of medical & surgical nursing Review of concepts of health & illness, Disease-concepts, causation, classification-International classification of Diseases (ICD-10 or later version), Acute illness, Chronic illness & Terminal illness, stages of illness Review of concept of comprehensive Nursing care in medical Surgical Conditions based on Nursing Process. Role of nurse, patient and family in care of adult patients. Role and responsibilities of a nurse in medical surgical settings: Outpatient department, In-patient unit, Intensive care units, Home & community settings Introduction to medical surgical asepsis: |

| Unit | Time | Learning | Content |
|------|--------------|---|--|
| No. | (hrs) | Objectives | |
| | | ۷ ک | □ Appendix- inflammation, mass, abscess, rupture □ Anal & Rectum; hemorrhoids, fissures, Fistulas □ Peritonitis/Acute abdomen □ Pancreas; inflammation, cyst, abscess and tumours □ Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours □ Gall bladder; inflammation, obstruction, stones and tumours Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system |
| V | 30 | • Describe the | Nursing management of patients (adults including elderly) with |
| | | Etiology, | blood <mark>and cardiov</mark> ascular probl <mark>ems</mark> |
| | A MONITOR OF | Pathophysiology, clinical manifestation diagnostic measures and management of patients (adult including elderly) with blood and cardiovascular problems Describe the vascular condition and their nursing management | Review of Anatomy and Physiology of blood and cardiovascular system. Nursing Assessment – History and Physical assessment Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and Medical, surgical, dietetics & nursing management of – Vascular system: Hypertension, hypotension, Artheriosclerosis, Raynaud's disease, Aneurism and Peripheral vascular disorders Heart Coronary artery disease: Ischemic heart disease, Coronary atherosclerosis, Angina pectoris, Myocardial infarction Valvular disorders of heart: Congenital and acquired, Rhematic Heart Diseases, endocarditis, Pericarditis, Myocarditis, Cardiomypopathies, Cardiac dysrhythmias, heart block Congestive cardiac failure, Cor-pulmonale, Pulmonary Oedema, Cardiogenic shock, Cardiac tamponade Cardiac emergencies and arrest, Cardio Pulmonary Resuscitation (CPR) Blood: Anaemias, Polycythemia, Bleeding & cloatings disorders; clotting factor defects and platelet defects, Thalassemia, Leukemia, Leukopenia, Agranulocytosis, Lymphomas & Myelomas Special therapies: Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. Management and counseling of blood donors, phlebotomy procedure, and post ddonoation management. Blood bank functioning and hospital transfusion committee. Biosafety and waste management in relation to blood transfusion. |
| | | | safety and waste management in relation to blood transfusion. Role of nurse in organ donation, retrieval and banking Alternative therapies Nursing procedures |

| Unit | Time | Learning | Content |
|------|-------|--------------------------------------|---|
| No. | (hrs) | Objectives | |
| | | | Drugs used in treatment of blood and cardiovascular disorders. |
| VI | 10 | Describe the | Nursing management of patients (adults including elderly) with |
| | | Etiology, | genito-urinary problems |
| | | Pathophysiology, | Review of Anatomy and Physiology of genito-urinary system. |
| | | clinical | Nursing Assessment – History and Physical assessment |
| | | manifestation | Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| | | diagnostic measures | treatment modalities and Medical, surgical, dietetics & nursing |
| | | and management of | management of: Nephritis, Nephrotic syndrome, Nephrosis, |
| | | patients (adult | renal calculus, Tumours, Acute renal failure, Chronic renal |
| | | including elderly) | failure, end stage renal disease, Dialysis, renal transplant, |
| | | with disorders of | Congenital disorders, urinary infection, Benign Prostate |
| | Á | genito-urinary | Hypertrophy, disorders of ureter, urinary bladder, and urethra- |
| | - /2 | system | inflammation, infection, stricture, obstruction, tumour, prostate |
| | // : | | Special therapies, alternative therapies |
| | | 7 | Nursing procedures |
| | 1 | 1 / | Drugs used in treatment of genito-urinary disorders |
| VII | 5 | • Describe the | Nursing management of disorders of male (adults including |
| A | | Etiology, | eld <mark>erly) reproductiv</mark> e system |
| 9 | | Pathophysiology, | Review of Anatomy and Physiology of male reproductive |
| | | clinical | system. |
| | | manifestation | Nursing Assessment – History and Physical assessment |
| 3 | | diagnostic measures | • Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| | 10 | and management of | treatment modalities and Medical, surgical, dietetics & nursing |
| | | patients (adult | management of disorders of male reproductive system: |
| | | including elderly) | Congenital malformations; cryptorchidism, Hypospadiasis, |
| | ٧. | with disorders of | epispadiasis, Infections, testis and adjacent structures, Penis, |
| | 1 | male reproductive | Prostate: inflammation, infection, hypertrophy, tumour, Sexual |
| | | system | Dysfunction, infertility, Contraception, Breast: gynecomastia, |
| | | 1000 | tumour, Climacteric changes |
| | | WELL | Special therapies, alternative therapies |
| | | | Nursing procedures |
| | | | Drugs used in treatment of disorders of male reproductive system |
| VIII | 10 | Describe the | Nursing management of patient (adults including elderly) with |
| | | | di <mark>sorders of endocrine system</mark> |
| | | Pathophysiology, | Review of Anatomy and Physiology of endocrine system. |
| | | clinical | Nursing Assessment – History and Physical assessment |
| | | manifestation | Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| | | diagnostic measures | treatment modalities and Medical, surgical, dietetics & nursing |
| | | and management of | management of disorders of: Disorders of Thyroid and |
| | | patients (adult | Parathyroid, diabetes mellitus, Diabetes insipidus, Adrenal |
| | | including elderly) with disorders of | tumour, Pituitary disorders |
| | | endocrine system | Special therapies, alternative therapies |
| | | chaocine system | Nursing procedures |
| | | | Drugs used in treatment of disorders of endocrine system |

| Unit | Time | Learning | Content |
|------------|-------|----------------------------|--|
| No. | (hrs) | Objectives | |
| IX | 10 | • Describe the | Nursing management of patient (adults including elderly) with |
| | | Etiology, | disorders of Integumentary system |
| | | Pathophysiology, | • Review of Anatomy and Physiology of Skin and its appendages. |
| | | clinical manifestation | Nursing Assessment – History and Physical assessment |
| | | diagnostic measures | Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| | | and management of | treatment modalities and Medical, surgical, dietetics & nursing |
| | | patients (adult | management of disorders of Skin and its appendages: Lesions |
| | | including elderly) | and abrasions, Infection and infestations, Dermatitis and |
| | | with disorders of | Dermatoses, infections and Non infectious dermatoses, Ache |
| | | Skin | vulagaris, Allergies and Eczema, Psoriasis, Malignant |
| | | Skiii | melanoma, Alopecia |
| | á | 200 | Special therapies, alternative therapies |
| | | - W | Nursing procedures |
| N 7 | 1.5 | D 11 1 | Drugs used in treatment of disorders of integumentary system |
| X | 15 | • Describe the | Nursing management of patient (adults including elderly) with Musculoskeletal problems |
| | | Etiology, Pathophysiology, | |
| 1 | | clinical | Review of Anatomy and Physiology of Musculoskeletal system. |
| l A | | manifestation | Nursing Assessment – History and Physical assessment |
| | | diagnostic measures | • Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| 9 | | and management of | treatment modalities and Medical, surgical, dietetics & nursing |
| 1 | | patients (adult | management of: Muscles, Ligaments and Joints-inflammation, |
| 1 | | including elderly) | infection, dislocation, fracture, tumour and trauma, |
| | | with disorders of | Osteomalacia and Osteoporosis, Arthritis, Congenital |
| | 3 | Musculoskeletal | deformities, Spinal column-defects and deformities, tumor, Prolapsed intervertebral disc, pott's spine, Paget's disease, |
| | 1 | system | Amputation, Prosthesis, Transplant & replacement surgeries, |
| | 1 | CALL DO | Rehabilitation |
| | 1 | . 6 | Special therapies, alternative therapies |
| | | | Nursing procedures |
| | | 10% | Drugs used in treatment of disorders of Musculoskeletal system |
| XI | 10 | Describe the | Nursing management of patient (adults including elderly) with |
| | | Etiology, | Immunological problems |
| | | Pathophysiology, | Review of Immune system. |
| | | clinical | Nursing Assessment – History and Physical assessment |
| | | manifestation | • Etiology, Pathophysiology, Clinical manifestations, diagnosis, |
| | | diagnostic measures | treatment modalities and Medical, surgical, dietetics & nursing |
| | | and management of | management of Immunodeficiency disorder: Primary |
| | | patients (adult | immunodeficiency, Phagocytic dysfunction, B-cell and T-cell |
| | | including elderly) | deficiencies, Secondary immunodeficiencies, |
| | | with disorders of | Acquired Immunodeficiency syndrome (AIDS): Incidence, |
| | | Immunological | Epidemiology, Transmission, Standard safety precautions, Role |
| | | system | of nurse, Counseling, Health education and Home care |
| | | | considerations, National AIDS Control Program, Rehabilitation |
| | | | Special therapies, alternative therapies |

| Unit | Time | Learning | Content |
|-------|-------|-------------------------------------|--|
| No. | (hrs) | Objectives | |
| | | | Nursing procedures |
| | | | Drugs used in treatment of disorders of Immonological system |
| XII | 20 | Describe the | Nursing management of patient (adults including elderly) with |
| | | Etiology, | communicable diseases |
| | | Pathophysiology, | Overview of infectious disease, the infectious process |
| | | clinical | Nursing Assessment – History and Physical assessment |
| | | manifestation | Epidemiology, Infectious process, Clinical manifestations, |
| | | diagnostic measures | diagnosis, treatment prevention and detection. Control and |
| | | and management of | eradication of common communicable diseases, hepatitis A-E, |
| | | patients (adult | herpes, chickenpox, amallpox, typhoid, meningitis, gas |
| | A | including elderly) | g <mark>angrene, lep</mark> rosy, Dengue, <mark>Plague, Malar</mark> ia, Diptheria, Pertusis, |
| | 1 | with Communicable Diseases | Poliomyelitis, Measles, Mumps, Influenza, tetanus, Yellow |
| | | Diseases | fever, Filariasis, HIV/AIDS, Reproductive tract infections |
| | // | 7 | Special therapies, alternative therapies |
| | | | Nursing procedures |
| XZIII | 20 | D 11 1 | Drugs used in treatment of Communicable diseases |
| XIII | 20 | | Peri Operative nursing: |
| | | organization and physical set up of | Organisation and Physical set up of the operation theatre (OT): Classification, O.T.DESIGN, Staffing, Members of the OT |
| | | Operation theatre | team, Duties and responsibility of nurse in OT, Principles of |
| - 1 | | Identify the | health and operating room attire, Instruments, Sutures and suture |
| 1 | | various | materials, Equipments, O.T. tables and sets for common surgical |
| 1 | | instruments and | procedure, Positions and draping for common surgical |
| | 1 | equipments used | procedures, Scrubbing procedures, Gowning and gloving, |
| | 1 | for common | Preparation of O.T. sets, Monitoring the patients during surgical |
| | | surgical | procedures, Maintenance of therapeutics environment in O.T. |
| | 7 | procedures | • Standard safely measures: Infection control; fumigation, |
| | | Describe the | disinfections and sterilization, Biomedical waste Management, |
| | | infection control | Prevention of accidents and hazards in O.T. |
| | | measures in the | Anaesthesia: Types, Methods of administration, effects and |
| | | operation theatre | stages, equipment, drugs |
| | | Describe the role | Cardio Pulmonary resuscitation (CPR) |
| | | of the nurse in the | Pain management techniques |
| | | Peri Operative | Legal aspects |
| | | nursing care | and the second s |

Teaching Learning Activities: Lecture cum discussion, Demonstration, Explain using charts, graphs, models, films, slides, Practice session, Supervised clinical practice, Drug book/presentation, Case discussions/Seminar, Health education, Orientation visit to Hospital Infection Control system, Visit to blood bank, Participation in blood donation camp, Counseling

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of

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skills with check list etc.

Books

Recommended Books:

- Suresh K. Sharma Brunner & Suddarth's Textbook Of Medical Surgical Nursing ,2nd
 South Asian edition, Wolters Kluwer India Pvt Ltd
- 2. Joyce M. Black Medical Surgical Nursing: Clinical Management for Positive Outcomes, 8th Ed, Elsevier publications
- 3. Chintamani -"Lewis's Medical-Surgical Nursing, 2nd South Asia Edition Elsevier publications
- 4. Marilynn E. Doenges & Mary Frances Moorhouse-Nursing care Plans

- 1. Laura Bruck -Medical-Surgical Nursing Made Incredibly Easy, 4th, Edition, LWW India
- 2. Williams Linda S- Understanding Medical Surgical Nursing, 5th Edition, Jaypee Brothers Medical Publishers
- 3. Suzanee Burns- AACN Essentials of Critical care Nursing, 4th edition, McGraw-Hill Publication

COMMUNITY HEALTH NURSING-I

Placement: Second Year Time: Theory- 90 hrs

Practical: 135 hours

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|----------------------------|---------------------|------------|-------------|
| XI | Community health Nursing-I | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|----------------------------|----------|----------------------------|
| XI | Community health Nursing-I | 2 hours | 50 |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

Note: An examiner / paper setter in the subject of Paper – XI: Community Health Nursing-I need to have a post graduate degree in Community Health Nursing specialty with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable students to appreciate the principles of promotion and maintenance of health

| Unit | Time | Learning | Content |
|------|-------|---|---|
| No. | (hrs) | Objectives | |
| I | 2 | Describe Concept and dimensions of health | Introduction Community health nursing Definition, concept and dimensions of health Promotion of health Maintenance of health |
| II | 20 | Describe determinants of health | Determinants of Health Eugenics Environment: Physical: Air, light, Ventilation, water,, Housing, Sanitation, disposal of waste, disposal of dead bodies, Forestation,, Noise, Climate, Communication: Infrastructure facilities and Linkages Acts regulating the environment: National pollution Control Board Bacterial & viral agents, host, carriers and immunity, Arthopods, and Rodents Food hygiene: Production, Preservation, Purchase, Preparation, Consumption, Acts regulating food hygiene-Prevention of Food |

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| Unit | Time | Learning | Content |
|------|-------|------------------------------|--|
| No. | (hrs) | Objectives | |
| | | | adulteration act, Drugs and cosmetics act |
| | | | Socio-cultural, customs, taboos, Marriage system, Family |
| | | | structure, Status of special groups, Females, Children, Elderly, |
| | | | challenged groups and Sick persons |
| | | | Ligfe style, hygiene |
| | | | Physical activity: recreation and sleep, Sexual life, Spiritual life |
| | | | philosophy, Self reliance, Dietary pattern, Education, Occupation |
| | | | • Financial Management: Income, Budget, Purchasing power, |
| | | | Security |
| III | 10 | • Describe concept | Epidemiology |
| | | aims, scope, uses | Definition, concept, Aims, scope uses and terminology used in |
| | A | Methods and | epidemiology |
| | | approach of | Dynamics of Disease transmission: Epidemiological triad |
| | 1100 | epidemiology | Morbidity and mortality: measurements |
| | 11 - | 7 / | Levels of Prevention |
| | 1 | | Methods of epidemiology: Descriptive, Analytical: Epidemic |
| | | | investigation, experimental |
| IV | 25 | Describe | Epidemiology and nursing management of common |
| | | Epidemiology and | Communicable Diseases |
| | | nursing | • Respiratory infections: Small Pox, Chicken Pox, Measles, |
| | | management of | Influenza, Rubella, ARI's & Pneumonia, Mumps, Diphtheria, |
| | | common | Whooping cough, Meningococcal meningitis, Tuberculosis |
| | 1 | Communicable | SARS |
| | | diseases | • Intestinal infections: Poliomyelitis, Viral Hepatitis, Cholera, |
| | 300 | The same | Diarrhoeal diseases, Typhoid Fever, Food poisoning, |
| | | | Amoebiasis, Hookworm, Infection, Ascariasis, Dracunculiasis Arthropod infections: Dengue, Malaria, Filariasis, Zoonoses |
| | | | Viral: Rabies, Yellow fever, Japanese encephalitis, Kyasnur |
| | | 100 | Forest Diseases |
| | | 19/10 | Bacterial: Brucellosis, Plague, Human Salmonellosis, Anthrax, |
| | | 100 | Leptospirosis |
| | | | Rickettsial diseases: Rickettsial Zoonoses, Scrub typhus, Murine |
| | | | typhus, Tick typhus, Q fever |
| | | | Parasitic zoonoses: Taeniasis, Hydatid disease, Leishmaniasis |
| | | 1000 | Surface infection: Trachoma, tetanus, Leprosy, STD & RTI, |
| | | | Yaws |
| | | | HIV/AIDS |
| | | | Any other |
| V | 10 | • Describe | Epidemiology and nursing management of No-communicable |
| | | Epidemiology and | Diseases |
| | | nursing | Malnutrition: under nutrition, over nutrition, nutritional |
| | | management of | deficiencies, Anaemia, Obesity, Iodine deficiency, Fluorosis |
| | | common Non- | Hypertension, Stroke, Rheumatic Heart Disease, Coronary Heart |
| | | communicable | Disease |

| Unit | Time | Learning | Content | | |
|------|-------|---|---|--|--|
| No. | (hrs) | Objectives | | | |
| | | diseases | Cancer, Diabetes Mellitus, Blindness, Accidents, Mental illness, | | |
| | | | Epilepsy | | |
| VI | 6 | • Describe the | Demography | | |
| | | concepts and scope | Definition, concept and scope | | |
| | | of demography | Methods of data collection, analysis and interpretation of | | |
| | | Describe methods | demographic data, Demographic rates and ratios | | |
| | | of data collection, | | | |
| | | analysis, and | THE DICKS | | |
| | | interpretation of | MEDITOR STORY | | |
| | | demographic data | 9/3/ | | |
| VII | 17 | Identify the impact | Popul <mark>ati</mark> on <mark>an</mark> d its control | | |
| | | of population | Population explosion and its impact on social, economic | | |
| | 191 | explosion in India | development of individual, society and country | | |
| | 0 | Describe methods | Population control: Overall development: Women empowerment, | | |
| | | of population | social, economic and educational development | | |
| | 12 | control | • Limiting family size: Promotion of small family norm, | | |
| 1 | (| | Methods: spacing (natural, biological, chemical, mechanical | | |
| 3 | | /// | methods etc) | | |
| 1 | | | ☐ Terminal: surgical methods | | |
| | | | ☐ Emergency contraception | | |

Teaching Learning Activities: Lecture cum discussion, Seminar, Demonstration, Explain using charts, graphs, models, films, slides, Practice session, Supervised field practice-health centers, clinics and homes, Counseling, Community identification survey, Population survey, Group Project/Health Education, Visit to water supply, sewage disposal, milk plants, slaughter house etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of survey report etc.

Recommended books:

- 1. Park's Textbook of Preventive and Social Medicine, Bhanot publishers, 27th edition, 2022
- 2. Kamala G:Community Health Nursing I, 1st edition, Florence publishers, 2022
- 3. Neelam Kumari: Community Health Nursing I, Pee Vee Books, 2017
- 4. Veerbadrappa GM: The Short Textbook Of Community Health Nursing Vol.1and vol 2, Jaypee Brother, 2016
- 5. KK Gulani: Community Health Nursing (principles and practices) 2nd edition. Kumar publishing house,2019
- 6. K Park: Essentials Of Community Health Nursing, 6th edition, Banarsidas Bhanot, 2012

Reference books:

- 1. AP Kulkarni: JP BarideTextbook of Community Medicine, 4th edition, Vora Medical Publications, 2013
- 2. Mahajan and Gupta:Textbook of Preventive and social medicine, 4th edition, Jaypee Brothers Medical Publishers, 2013
- 3. Basavantappa: Community Health Nursing (2 Volume Set) For BSc and PB BSc Nursing Students with Free Community Health Nursing Practice Workbook Jaypee Brothers Medical Publishers, 2nd edition, 2008
- 4. Thressiamma Pm: Procedures and Theories Of Community Health Nursing, Jaypee Brothers Medical Publishers, 2010
- 5. Rajveer Bhalwar: Textbook of Community medicine, Wolters Kluver, 4th edition, 2021
- 6. I Clement: Basic Concepts of Community Health Nursing, 2nd edition, Jaypee Publisher, 2011
- 7. I Clement: Manual of Community health nursing, Jaypee Publisher, 2012
- 8. Shyamala D. Maniyannan: Textbookof Community health nursing I for B.Sc. Nursing, 2017

COMMUNICATION & EDUCATIONAL TECHNOLOGY

Placement: Second Year **Time:** Theory- 90 hrs

(Theory 60 + 30 Lab)

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|------------------------|----------------------------|------------|-------------|
| XII | Communication & | 50 | 50 | 100 |
| | Educational Technology | | | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|------------------------|----------|----------------------------|
| VII | Communication & | 2 hours | 50 |
| XII | Educational Technology | | |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

Note: An examiner / paper setter in the subject of Paper – XII: Communication & Educational Technology need to have a post graduate degree in any Nursing specialty (Medical Surgical Nursing/Child Health Nursing/Mental Health Nursing/Community Health Nursing/Midwifery and Obstetrical Nursing) with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable students to acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community health and educational settings

| Unit | Time | | Learning | Content |
|------|---------|-----|--|--|
| No. | (hours) | | Objectives | Sile in |
| | Th. | Pr. | | |
| I | 5 | 4 | Describe the communication process Identify techniques of effective | Review of Communication Process Communication process: elements and channels, Facilitators, Barriers and methods of overcoming Techniques |
| II | 5 | | communication Establish effective inter-personal relations with patients, families & co-workers | Interpersonal relations Purposes & types, phases Barriers & methods of overcoming Johari Window |

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| Unit No. (hours) Objectives Th. Pr. II 5 Develop effective human relations in context of nursing Social behavior, motivation, social attitudes Individual and groups, Groups & individual Human relations in context of nursing Group dynamics, team work IV 10 5 Develop basic skill of counseling and guidance Definition, Purpose, scope and need, Basic principles Organization of counseling services. Types of counseling approaches, Role and preparation of counselor, Issues for counseling in nursing; students and practitioners Counseling process-steps & techniques, tools of counselor Managing disciplinary problems Management of crisis & referral V 5 Describe the philosophy & principles of education Explain the teaching learning process Education: meaning, philosophy, aims, functions & principles of education Principles and maxims of teaching Principles Principle |
|--|
| II 5 Develop effective human relations in context of nursing Understanding self Social behavior, motivation, social attitudes Individual and groups, Groups & individual Human relations in context of nursing Group dynamics, team work IV 10 5 Develop basic skill of counseling and guidance Group dynamics, team work IV 10 5 Describe the philosophy & principles of education Ezplain the teaching learning process V 5 Describe the philosophy & principles of education Ezplain the teaching learning process VI 10 10 Demonstrate teaching services and need, Basic principles of Counseling in nursing: students and practitioners Counseling in nursing: students and practitioners Management of crisis & referral V 5 Describe the philosophy & principles of education Ezplain the teaching learning process Education: meaning, philosophy, aims, functions & principles Nature and characteristics of learning Principles and maxims of teaching Formulating objectives: general and specific Lesson planning Classroom management Wethods of teaching Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip workshop, exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning Self instructional module and simulation etc. Clinical teaching methods: Case method, nursing round & reports, bed side clinic, conference (individual & group) |
| human relations in context of nursing Note |
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| • Explain the teaching learning process • Nature and characteristics of learning • Principles and maxims of teaching • Formulating objectives: general and specific • Lesson planning • Classroom management VI 10 • Demonstrate teaching skills in various teaching methods in clinical, classroom and community setting • Nature and characteristics of learning • Principles and maxims of teaching • Classroom management Methods of teaching • Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip workshop, exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning. Self instructional module and simulation etc. • Clinical teaching methods: Case method, nursing round & reports, bed side clinic, conference (individual & group) |
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| VI 10 • Demonstrate teaching skills in various teaching methods in clinical, classroom and community setting • Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip workshop, exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning. Self instructional module and simulation etc. • Clinical teaching methods: Case method, nursing round & reports, bed side clinic, conference (individual & group) |
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| Self instructional module and simulation etc. Clinical teaching methods: Case method, nursing round & reports, bed side clinic, conference (individual & group) |
| Clinical teaching methods: Case method, nursing round & reports, bed side clinic, conference (individual & group) |
| reports, bed side clinic, conference (individual & group) |
| |
| |
| VII 10 8 • Prepare and use Educational Media |
| different type of • Purposes & types of A.V aids, principles and sources etc. |
| educational media • Graphic aids: chalk board, chart, graph, poster, flash cards, |
| effectively. flannel graph, bulletin, cartoon |
| • Three dimensional aids: objects, specimens, models, |
| puppets |
| Printed aids: pamphlets & leaflets |
| Projected aids: slides, overhead projector, films, TV, |
| VCR/VCD, camera, microscope, LCD |
| Audio aids: Tape recorder, public address system |
| Computer |

| Unit | Tin | 1e | Learning | Content | |
|------|------|-----|--|--|--|
| No. | (hou | rs) | Objectives | | |
| | Th. | Pr. | | | |
| VIII | 5 | 7 | Prepare different types of questions for assessment of knowledge, skills, and attitude | Assessment Purpose & scope of evaluation & assessment Criteria for selection of assessment technique and methods. Assessment of Knowledge: Essay Type Questions, Short answer questions (SAQ), Multiple choice questions (MCQ) Assessment of skill: Observation checklist, Practical exam, Viva, Objective Structured, Clinical examination (OSCE) Assessment of Attitudes: Attitude Scales | |
| IX | 5 | 977 | Teaching individuals, groups, communities about health with their active participation | Information, Education & Communication for health (IEC) Health behavior & health education Planning for health education Health education with individuals, groups & communities Communicating health messages Methods & media for communicating health messages Using mass media | |

Teaching Learning Activities: Lecture cum discussion, role plays, Sociometry, Group games, Psychometric exercises followed by discussion, Exercises with audio/video tapes, Process recording, role play on counseling in different situations followed by discussion, Micro teaching, Exercise on writing objectives, lesson planning, Conduct 5 teaching sessions using different methods & media, Exercise on writing different types of assessment tools, Plan & conduct health education sessions for individuals, group & communities, Prepare different teaching aids-projected & non projected etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assess performance in role play situations, Assess teaching sessions, teaching aids prepared, planning & conduct of educational session strategies used in practice teaching sessions and exercise sessions etc.

Recommended Books:

- 1. Neeraja K.P.-Textbook of Communication and Education Technology For Nurses ,Jaypee Brothers Medical Publishers (P) limited
- 2. Sharma, Suresh K Communication and Educational Technology /2nd Edn , Elsevier India
- 3. L Gopichandran-Essentials of communication and education technology, CBS Publishers.
- 4. B T Basavanthappa- Communication education technology nurses,
- 5. I Clement Text Book on Communication and Education Technology, Emmess

Reference books:

- 1. Mukesh Chandra Sharma-Textbook of Nursing Education Communication and Educational Technology for B.sc and Post Basic Nursing students ,Jaypee
- 2. Anurag Bhai Patidar- Communication and nursing education, Pearson.
- 3. S. Malarvizhi, S. Amirtha Santhi -Text Book on Communication and Educational Technology, Emmess
- 4. R Pramilaa -Nursing Communication And Educational Technology, Jaypee Brothers Medical Publishers (P) limited
- 5. N Roshni -Educational methods and media for teaching in practice of nursing, AITBS
- 6. Vijay Kumar Gauttam- Communication and educational technology for nurses, Kumar Publishing House

SOCIOLOGY

Placement: Second Year **Time:** Theory- 60 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|-----------|----------------------------|------------|-------------|
| XIII | Sociology | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|-----------|----------|----------------------------|
| XIII | Sociology | 2 hours | 50 |

Question paper pattern

| MCQ: | 20 x 0.5 = 10 Marks |
|--------------------|----------------------------------|
| Essay type (LAQ): | $2 \times 10 = 20 \text{ Marks}$ |
| Short notes (SAQ): | 4 x 5 = 20 Marks |

Note: An examiner / paper setter in the subject of Paper – XIII: Sociology need to have a post graduate degree in Sociology with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to introduce the concept of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

| Unit | Time | Learning | Content |
|------|-------|--|--|
| No. | (hrs) | Objectives | |
| I | 1 | • State the importance of sociology in | Introduction Definition of sociology Nature and scope of the discipline |
| | | nursing. | Importance and application of Sociology in Nursing. |
| II | 3 | Describe the interrelationship of Individual in Society and community | Individual & society Society and community. Nature of society. Difference between Society and Community Process of socialization and Individualization Personal disorganization |
| III | 3 | Describe influence of culture on health and disease. | Nature of culture, Evolution of culture, Diversity and uniformity |
| IV | 4 | • Identify various social groups and their interactions. | Social groups and processes The meaning and classifications of groups Primary & secondary group, In group V/s. out group, Class Tribe, Caste, race, Economic, Political, Religious groups, Mob, |

<u>COLLEGE OF NURSING ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI</u>

| Unit | Time | Learning | Content | |
|------|-------|---|--|--|
| No. | (hrs) | Objectives | Crowd, Public and Audience Interaction & Social processes, Co-operation, Competition, Conflict • Accommodation, assimilation & isolation | |
| V | 6 | Explain the growth of population in India & its impact on health | Population Society & population Population distribution in India, demographic characteristics Malthusian theory of population Population explosion in India & its impact on health status Family welfare programmes | |
| VI | 5 | Describe the institutions of family & marriage in India | Family & marriage Family- meaning, definitions, features and functions Types- joint, nuclear, blended and extended families Family in India- Joint family-Meaning, features, merits and demerits & changes, legislation on family The modern family Nuclear- meaning, features, problems of modern family-divorce etc.,, Problems-dowry etc.,, welfare services, changes Factors responsible for changes in nuclear and joint families Marriages- Meaning, forms and functions of marriage, rules of made choice Marriage in India- marriage acts, forms of marriage Marriage and family problems in India Family, marriage and their influence on health and health practices | |
| VII | 7 | Describe the class and caste system and their influence on health & health practices | Social stratification Meaning and types of social stratification The Indian caste system- meaning, origin, features, merits and demerits Features of caste in India today Social class system and status Social mobility- meaning and types Race as biological concept, criteria of racial classification Salient features of primary races, racism Influence of class, caste and race on health & health practices | |
| VIII | 6 | Describe the types of communities in India, their practices and the impact on health. | Types of communities in India (Rural, Urban and Regional) Features of village community & Characteristics of Indian villages- Panchayat system, Social Dynamics Community Development project & planning Changes in Indian Rural Life Availability of health facilities in rural and its impact on health | |

| Unit | Time | Learning | Content |
|------|-------|--|--|
| No. | (hrs) | Objectives | |
| | | | and health practices |
| | | | Urban-community- Features. |
| | | | The growth of cities: Urbanization and its impact on health and |
| | | | health practices |
| | | | Major Urban problems-Urban slums |
| | | | Region: Problems and impact on Health |
| IX | 4 | • Explain the process | Social change |
| | | of social change | Nature and process of Social Change |
| | | | • Factors influencing Social Change: Cultural Change, Cultural |
| | | | lag |
| | | | • Introduction to Theories of Social Change: Linear, Cyclical, |
| | | | Marxian, Functional |
| | 100 | | Role of nurse- Change agents |
| X | 4 | Describe the | Social organization and social system |
| | 1 | Social system and | Social organization: elements, types |
| | 12 | inter-relationship | Democratic and authoritarian modes of participation, |
| 1 | (7) | of social | Voluntary associations |
|) | | organizations. | Social system; Definition and Types of social system |
| 4 | | | Role and Status as structural elements of social system |
| | | | Inter-relationship of institutions |
| XI | 2 | • Explain the nature | Social control |
| 1 | | and process of | Nature and process of social control |
| 1 | 100 | social control | Political, Legal, Religious, Educational, Economic, Industrial |
| | A | | and Technological systems, Norms & Values - Folkways & |
| | 1 | 100 | Mores, Customs, Laws and fashion |
| | 1/2 | 1 | Role of nurse |
| XII | 15 | Describe the role | Social problems |
| | | of nurse in dealing | Social disorganization |
| | | with social | • Control & planning: poverty, housing, illiteracy, food supplies, |
| | | problems in India. | prostitution, rights of women & children, vulnerable groups: |
| | | | Elderly, handicapped, minority groups and other marginalized |
| | | | groups, child labour, child abuse, delinquency and crime, |
| | | | substance abuse, HIV/AIDS. |
| | | 16.7 | Social welfare programs in India |
| | | A STATE OF THE PARTY OF THE PAR | Role of nurse |

Teaching Learning Activities: Lecture cum discussion, Panel discussion, Community identification, Family case study, community survey, Visits to rural and urban community, Observation visits, institutional visits etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of visit report, Assessment of report on community survey, Assessment of family case study etc.

Recommended Books:

- 1. K.P. Neeraja Textbook of Sociology for Nurses, 2021, Jaypee Brothers
- 2. Neelam Kumar A text book of sociology, 2021, S Vikas Publishers
- 3. Nalini R Ledenn Principal of Sociology for graduate nurses, Jaypee Brothers
- 4. Mr. Abhay Pattan, Dr. Sanjay Shinde, Mr. Praful Damor, Ms.Nilima Vasava, Mr. Milan Chauhan, Mr. Anant Patel Applied Sociology for Nurses as per INC Syllabus, 2022. Xoffencer Publishers

Reference Books:

- 1. Ian Clement Sociological Implications in Nursing, 4th edition, Frontline Publishers
- 2. Indrani T.K Textbook of sociology for nurses, Latest edition, Jaypee Brothers
- 3. Jacob Anthikad Sociology for Graduate Nurses, 2022, Jaypee Brothers
- 4. Vidya Bhushan & Sachdev An Introduction to Sociology, 2022, Emmess Publishers



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B.Sc. (HONS.) NURSING III YEAR

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-II

Placement: Third Year **Time:** Theory- 120 hrs

Practical- 270 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|---------------------------------|----------------------------|------------|-------------|
| XIV | Medical Surgical Nursing (Adult | 50 | 50 | 100 |
| | including Geriatrics)-II | METHOD & | | |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|---|-----------------|----------------------------|
| XIV | Medical Surgical Nursing (Adult including | 2 hours | 50 |
| // | Geriatrics)-II | 70 | |

Question paper pattern

| MCQ: | $20 \times 0.5 = 10 \text{ Marks}$ |
|--------------------|------------------------------------|
| Essay type (LAQ): | 2 x 10 =20 Marks |
| Short notes (SAQ): | 4 x 5 = 20 Marks |

<u>Note:</u> An examiner / paper setter in the subject of Paper – XIV: Medical Surgical Nursing (Adult including Geriatrics)-II need to have a post graduate degree in Medical Surgical Nursing specialty with a minimum 3 years of collegiate / University level teaching experience.

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of healthcare settings and at home.

| Unit No. | Time (hrs) | Lear <mark>ning</mark> Objectives | Content | |
|-------------|---------------|--------------------------------------|--|--|
| I | 15 | Describe the | Nursing management of patient with disorders of Ear, Nose | |
| | | etiology, | and Throat | |
| | | path <mark>ophysiol</mark> ogy, | • Review of anatomy and physiology of the Ear, Nose and Throat. | |
| | | clinical | Nursing Assessment- History and Physical assessment. | |
| | | manifestation, | Etiology, Pathophysiology, Clinical manifestation, diagnosis, | |
| | | diagnostic | treatment modalities and medical & surgical management of | |
| | | measures and | Ear, Nose and Throat disorders: External ear: deformities | |
| | | management of | otalgia, foreign bodies and tumours, Middle ear: Impacted wax, | |
| | | patients with | Tympanic membrane perforation, otitis media, otosclerosis, | |
| | | disorders of Ear, | mastoiditis, tumours, Inner ear: Meniere's disease, labyrinthitis, | |
| | | Nose and Throat | ototoxicity and tumours. Upper airway infections-Common | |
| | | | cold, Sinusitis, ethinitis, rhinitis, pharyngitis, tonsilitis, | |

R/

| Unit | Time | Learning | Content |
|------|---------------|--|---|
| No. | (hrs) | Objectives | |
| | | | adenoiditis, peritonsillar abscess, laryngitis, Upper respiratory airway-epistaxis, Nasal obstruction, laryngeal obstruction, cancer of larynx, Cancer of oral cavity, Speech defects and speech therapy. Deafness- Prevention, control and rehabilitation Hearing aids, implanted hearing device, Special therapies Nursing procedures Drug used in treatment of disorders of Ear, Nose and Throat Role of nurse communicating with hearing impaired and muteness. |
| II | 15 | Describe the | Nursing management of patient with disorders of Eye 8 |
| n | TOWN THE WOOD | etiology, pathophysiology, clinical manifestation, diagnostic measures and management of patients with disorders of Eye | Review of anatomy and physiology of eye. Nursing Assessment: History and physical assessment. Etiology, Pathophysiology, Clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: Refractive errors, Eyelidsinfection, tumors and deformities, Conjunctiva-inflammation, and infection, bleeding, Cornea-inflammation and infection, Lens-Cataracts, Glaucoma, Disorder of the uveal tract, Ocular tumors, Disorders of posterior chamber and retina: Retinal and vitreous problems, Retinal detachment, Ocular emergencies and their prevention Blindness, National blindness control program, Eye banking, Eye prostheses and Rehabilitation, Role of nurse-communication with visual impaired patient, Eye camps Special therapies Nursing procedures Drugs used in treatment of disorders of eye |
| III | 16 | Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures and nursing management of patients with Neurological disorders | Nursing management of patient with Neurological disorders Review of anatomy and physiology of the neurological system. Nursing Assessment: History, physical and neurological assessment and Glasgow coma scale. Etiology, Pathophysiology, Clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders: Congenital malformations, Headache, Head Injuries, Spinal Injuries: Paraplegia, Hemiplegia, Quadriplegia, Spinal Cord Compression- herniation of intervertebral disc, Tumours of brain & spinal cord, Intracranial & cerebral aneurysms, Cerebro Vascular Accidents (CVA), Cranial, Spinal Neuropathies-Bell's palsy, trigeminal neuralgia, Peripheral Neuropathies; Guilian Barr'e Syndrome, Myasthenia Gravis, multiple scelerosis, Degenerative diseases: Delirium, Dementia, Alzheimer's disease, Parkinson's disease Management of unconscious patients and patients with stroke Role of nurse in communicating with patient having neurological deficit |

| Unit | Time | Learning | Content | |
|------|-------|--|--|--|
| No. | (hrs) | Objectives | | |
| | | | Rehabilitation of patients with neurological deficit, Role of nurse in long stay facility(institutions) and at home Special therapies Nursing procedures Drugs used in treatment of Neurological disorders | |
| IV | 16 | • Describe the | Nursing management of patient with disorders of female | |
| | | <i>C</i> , , | reproductive system | |
| | | pathophysiology, | Review of anatomy and physiology of the female reproductive | |
| | | clinical | system | |
| | | manifestation, | Nursing assessment- History and Physical Assessment, Breast | |
| | | diagnostic | Self Examination, Sexuality and Reproductive Health, Sexual | |
| | A | measures and | health Assessment | |
| | 100 | nursing | • Etiology, pathophysiology, clinical manifestations, diagnosis, | |
| | 115 | management of | treatment modalities and medical & surgical nursing | |
| | | patients with | management of disorder of female reproductive system: | |
| | | disorders of | Congenital abnormalities of female reproductive system: | |
| 4 | 17 | female | Menstrual Disorders: Dysmenorrhea, Amenorrhea, Premenstrual | |
|), | | reproductive | Syndrome, Abnormal Uterine Bleeding: Menorrhagia, | |
| - 4 | | system | Metrorrhagia, Pelvic inflammatory disease, Ovarian and | |
| | | Describe concepts | fallopian tube disorders; Infections, Cysts, Tumours, Uterine and | |
| 1 | - | of reproductive | cervical disorders: Endometriosis, polyps, Fibroids, Cervical and | |
| 1 | | health and family | uterine tumours, Uterine displacement, Cystocele/ urethrocele/ Rectocele, Vaginal disorders: Infections and Discharges, fistulas, | |
| 1 | | welfare | Vulvur disorders: Infection, cysts, Tumours, Diseases of breasts: | |
| | A. | programme | Deformities, Infections, Cysts and Tumours, Menopause and | |
| | A. | | hormonal replacement therapy, Infertility, Abortion-Natural, | |
| | 1/4 | The state of the s | Medical and surgical abortion-MTP Act, Toxic Shock | |
| | - 1 | | Syndrome, Injuries and Trauma: Sexual violence | |
| | - | | Contraception; Types, Methods, Risk and effectiveness: Spacing | |
| | | 1/2 | • Contraception; Types, Methods, Risk and effectiveness: Spacing methods: Barrier methods, Intra Uterine Devices, Hormonal post | |
| | | 10/10 | conceptional methods, etc., Terminal methods: Sterilization, | |
| | | | Emergency Contraception methods, National Family welfare | |
| | | | programme programme | |
| | | The same of | Special therapies | |
| | | | Nursing procedures | |
| | | | Drugs used in treatment of gynaecological disorders | |
| V | 10 | Describe the | Nursing management of patient with Burns, reconstructive and | |
| | | etiology, | cosmetic surgery | |
| | | pathophysiology, | Review of anatomy and physiology of the skin and connective | |
| | | clinical | tissues and various deformities. | |
| | | manifestation, | Nursing Assessment: History and Physical assessment and | |
| | | diagnostic | Assessment of burns and fluid and electrolyte loss. | |
| | | measures and | • Etiology, Classification, Pathophysiology, Clinical | |
| | | nursing | manifestation, diagnosis, treatment modalities and medical & | |
| | | management of | surgical nursing management of Burns and Reconstructive and | |

| Unit | Time | Learning | Content | |
|------|-------|--------------------------------|---|--|
| No. | (hrs) | Objectives | | |
| | | patients with | cosmetic surgery | |
| | | Burns, | Types of Re-constructive and cosmetic surgery for burns, | |
| | | reconstructive and | congenital deformities, injuries and cosmetic purposes. | |
| | | cosmetic surgery | Role of nurse | |
| | | | Legal aspects | |
| | | | Rehabilitation | |
| | | | Special therapies: Psychosocial aspects | |
| | | | Nursing procedures | |
| | | | Drugs used in treatment of Burns, reconstructive and cosmetic 8 | |
| | | | surgery | |
| VI | 10 | • Describe the | Nursing management of patient with oncological conditions | |
| | A | etiology, | Structure & characteristics of normal & cancer cells | |
| | - /4 | pathophysiology, | Nursing assessment – History & Physical assessment | |
| | // = | clinical | Prevention, Screening, Early detection, Warning signs of cancer | |
| | 1 | manifestation, | Epidemiology, Etiology, Classification, Pathophysiology, | |
| | 1 | diagnostic measures | Staging, Clinical manifestation, diagnosis, treatment modalities | |
| 1 | | and nursing | and medical & surgical nursing management of oncological | |
| 3 | | management of | conditions | |
| - 4 | | patients with | Common malignancies of various body systems; Oral, Larynx, | |
| | | Oncology | Lungs, Stomach and Colon, Liver, Leukemias and Lymphomas, | |
| 1 | | | Breast, Cervis, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc | |
| 1 | | | Oncological emergencies | |
| | | | | |
| | 1 | A 100 | Modalities of treatment: Immunotherapy, Chemotherapy, Particular of Programme Control o | |
| | A. | | Radiotherapy, Surgical interventions, Stem cell and Bone | |
| | 3// | | marrow transplants, Gene therapy, Other forms of treatment • Psychosocial aspects of cancer, Rehabilitation | |
| | | | Psychosocial aspects of cancer, Rehabilitation Pulliotive care Symptom and pain management. Nutritional | |
| | | | Palliative care; Symptom and pain management, Nutritional | |
| | | | support Home care | |
| | | 10% | Hospice care | |
| | | 1000 | Flospice care Special therapies, Stomal Therapy: Psychosocial aspects | |
| | | | Nursing procedures | |
| VII | 10 | Describe | Nursing management of patient in EMERGENCY & DISASTER | |
| V 11 | 10 | | situations. | |
| | | 0 | Disaster Nursing: Concepts and principles of disaster nursing | |
| | | emergency and disaster care | Causes and Types of Disaster: Natural and Man-made: | |
| | | services | Earthquakes, Floods, Epidemics, Cyclones, Fire, Explosions, | |
| | | Describe the | Accidents, Violence, Terrorism; bio-chemical, War | |
| | | role of nurse in | Policies related to emergency / disaster management: | |
| | | disaster | International, national, state, institutional | |
| | | | | |
| | | management | Disaster preparedness: Team, Guidelines, protocols, Equipments, Passayanas, Coordination and involvement of Community. | |
| | | Describe the role of pures in | Resources, Coordination and involvement of: Community, | |
| | | role of nurse in | various govt. departments, non-govt. organizations and | |
| | | management of | International agencies. | |

| Unit | Time | Learning | Content |
|------|-------|--|---|
| No. | (hrs) | Objectives | |
| VIII | | • Explain the concept and problems of aging • Describe nursing care of the elderly | Role of nurse, Legal aspects of Disaster Nursing Impact on health & after effects: Post Traumatic Stress Disorder, Rehabilitation: Physical, Psychosocial, Financial, Relocation Emergency Nursing Concept, priorities, principles and Scope of emergency nursing Organization of emergency services: physical set up, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse. Coordination & involvement of different departments and facilities Nursing assessments – History and Physical assessments. Etiology, Pathophysiology, Clinical manifestation, diagnosis, treatment modalities and medical and surgical nursing management of patient with medical and surgical emergencies, Principles of emergency management Common Emergencies: Respiratory & Cardiac Emergencies, Shock and Haemorrhage, Pain, Poly-Trauma, road accidents, crush injuries, wound, Bites, Poisoning; Food, Gas, Drugs & chemical poisoning, Seizures, Thermal Emergencies: Heat Strokes & Cold Injuries, Paediatric emergencies, Psychiatric emergencies, Obstretical emergencies, Violence, Abuse, Sexual assault Cardio Pulmonary Resuscitation, Crisis intervention Role of the nurse: Communication and Inter Personal Relations Medico-Legal Aspects Nursing care of the elderly Nursing Care of the elderly Nursing Assessment: History and Physical assessment Ageing: Demography: Myths and realities, Concepts and theories of ageing, Cognitive Aspects of Ageing, Normal biological ageing, Age related body systems changes, Psychosocial Aspects of Ageing, Medications and elderly, Stress & coping in older adults, Common Health Problems & Nursing Management: Cardiovascular, Respiratory, Musculo-skeletal, Endocrine, Genito-urinary, Gastrointestinal, Neurological, Skin and Other, Sensory organs, Psychosocial and Sexual: Abuse of elderly Role of |

| Unit | Time | Learning | Content | |
|------|-------|---------------------------------------|---|--|
| No. | (hrs) | Objectives | | |
| | | | Home and institutional care. | |
| IX | `10 | • Describe | Nursing management of patient in critical care units | |
| | | organization of | Nursing Assessment: History and Physical assessment | |
| | | critical care units | • Classification | |
| | | Describe the role | Principles of critical care nursing | |
| | | of nurse in | Organization; Physical set up, Policies, staffing norms | |
| | | management of | Protocols, equipment and supplies | |
| | | patients critical | Special equipments; ventilators, cardiac monitors, defibrillators | |
| | | care units | Resuscitation equipment | |
| | | | Infection Control Protocols | |
| | | | Nursing management of critically ill patient | |
| | | | Monitoring of critically ill patient | |
| | 100 | | CPR-Advance Cardiac Life support | |
| | 115 | 9 | Treatments and procedures | |
| | // | 7 | Transitional care | |
| | | | Ethical and Legal aspects | |
| 1 8 | | | Communication with patient and family. | |
| N N | | | Intensive care records | |
| | | | Crisis intervention | |
| | | | Death and Dying – coping with | |
| - 8 | | | Drugs used in critical care unit. | |
| X | `8 | Describe | Nursing ma <mark>nag</mark> ement of patients adults inc <mark>luding eld</mark> erly with, | |
| | | organization of | Occupational and Industrial disorders | |
| | N. | critical care units | Nursing Assessment- History and Physical assessment | |
| | 300 | Describe the role | • Etiology, pathophysiology, clinical manifestations, diagnosis, | |
| | | of nurse in | treatment modalities and medical & surgical nursing | |
| | - 1 | management of | management of occupational and industrial health disorders | |
| | | patients with | Role of nurse | |
| | | occupational and | Special therapies, alternative therapies | |
| | | industrial health | Nursing procedures | |
| | | disorders | Drugs used in treatment of Occupational and Industrial disorders | |

Teaching Learning Activities: Lecture cum Discussion, Explain using Charts, graphs, Models, Films, Slides, Demonstration, Practice session, Case discussions/Seminar, Health education, Supervised clinical practice, Drug book /presentation, Visit to eye bank, Participation in eye-camps, Visit to rehabilitation centre, Disaster management drills, visit to old age home, Role plays, Counseling etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of skills with check list, Assessment of patient management problem etc.

Recommended Books:

- 1. Suresh K. Sharma Brunner & Suddarth's Textbook Of Medical Surgical Nursing ,2nd South Asian edition, Wolters Kluwer India Pvt Ltd
- 2. Joyce M. Black Medical Surgical Nursing: Clinical Management for Positive Outcomes, 8th Ed, Elsevier publications
- 3. Chintamani -"Lewis's Medical-Surgical Nursing, 2nd South Asia Edition Elsevier publications
- 4. Marilynn E. Doenges & Mary Frances Moorhouse-Nursing care Plans

Reference Books:

- 1. Laura Bruck -Medical-Surgical Nursing Made Incredibly Easy, 4th, Edition, LWW India
- 2. Williams Linda S- Understanding Medical Surgical Nursing, 5th Edition, Jaypee Brothers Medical Publishers
- 3. Suzanee Burns- AACN Essentials of Critical care Nursing, 4th edition, McGraw-Hill Publication

CHILD HEALTH NURSING

Placement: Third Year **Time:** Theory- 90 hrs

Practical- 270 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|----------------------|----------------------------|------------|-------------|
| XV | Child Health Nursing | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 91 |
|-------|----------------------|----------|----------------------------|----|
| XV | Child Health Nursing | 2 hours | 50 | |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

Note: An examiner / paper setter in the subject of Paper – XV: Child Health Nursing need to have a post graduate degree in Child health/Paediatric Nursing specialty with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

| Unit No. | Time (hrs) | Learning Objectives | Content | |
|-------------|-------------|--|--|--|
| No. | (hrs) 15 | Explain the modern concept of child care & principles of Child Health Nursing Describe national policy programs and legislation in relation to child health & welfare. List major causes of death during infancy, early & late childhood | Introduction Modern concepts of childcare Internationally accepted rights of the child National policy and legislations in relation to child health and welfare. National programs related to child health and welfare Agencies related to welfare services to the children Changing trends in hospital care, preventive, promotive and curative aspects of child health. Child morbidity and mortality rates. Difference between an adult and child | |
| | | Describe the major functions & role of the pediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing | Hospital environment for a sick child. Impact of hospitalization on the child and family. Grief and bereavement. The role of a Child health nurse in caring for a hospitalized child. Principles of pre and postoperative care of infants and | |

| Unit | Time | Learning | Content | |
|------|-------|--|--|--|
| No. | (hrs) | Objectives | 191 | |
| | | | children.Child health nursing procedures. | |
| II | 20 | D | The healthy child | |
| 111 | 20 | Describe the normal growth and | · · · · · · · · · · · · · · · · · · · | |
| | | growth and development of | Definition and principles of growth and development.Factors affecting growth and development. | |
| | | children at different | Growth and development from birth to adolescence. | |
| | | ages | The need of normal children through the stages of | |
| | | Identify the needs of | developmental and parental guidance. | |
| | | children at different | Nutritional needs of children and infants: breast feeding, | |
| | | ages & provide | exclusive breast feeding supplementary / artificial feeding | |
| | | parental guidance | and weaning. | |
| | 4 | Identify the nutritional | Baby friendly hospital concept. | |
| | | needs of children at | Accident: causes and prevention | |
| | //- | different ages and ways | | |
| | // - | of meeting needs | Preventive immunization, immunization program and | |
| | | Appreciate the role of | cold chain. | |
| | | play for normal & sick | Preventive pediatrics | |
| Á | | children | Care of under five & under-five Clinics / Well-baby | |
| | | Appreciate the | clinics. | |
| - | | preventive measures | | |
| - 4 | | and strategies for children | | |
| III | 15 | | Nursing care of neonate | |
| 111 | 13 | and high risk neonates | Nursing care of a normal new born / Essential newborn | |
| | N. | Perform neonatal | care. | |
| | 1/2 | resuscitation | Neonatal resuscitation | |
| | - 1 | Recognize & manage | Nursing management of low birth weight baby. | |
| | | common neonatal | Kangaroo mother care | |
| | | probems | Nursing management of common neonatal disorder. | |
| | | 17/01 | Organization of neonatal care unit. | |
| | | 11 | Identification & nursing management of congenital | |
| | | | malformations. | |
| IV | 10 | | Integrated management of neonatal and childhood | |
| | | 1100 | Illnesses (IMNCI). | |
| | | 700 | td/tan | |
| V | 20 | | Nursing management in common childhood diseases | |
| | | common childhood | Nutritional deficiency disorders. | |
| | | diseases | Respiratory disorders and infections. | |
| | | Identify measures to provent common | Gastro-intestinal infections, infestations and congenital | |
| | | prevent common childhood diseases | disorders. | |
| | | including | Cardio-vascular problems: congenital defects and Physical Physical Report disease. | |
| | | immunization | rheumatic fever, rheumatic heart disease. | |
| | | mmunization | Genito-urinary disorders: acute glomerulo nephritis, Nonbritis gyndrome, Wilm's tymographostion and | |
| | | | Nephritic syndrome, Wilm's tumour, infection and | |

| Unit | Time | Learning | Content | |
|------|-------|---|--|--|
| No. | (hrs) | Objectives | | |
| | | SITUTE OF I | congenital disorders. Neurological infections & disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. Hematological disorders: Anemia, thalassemia, ITP, leukemia, hemophilia. Endocrine disorders: juvenile Diabetes Mellitus Orthopedic disorders: club feet, hip dislocation and fracture. Disorders of skin, eye, and ears. Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. Child health emergencies: poisoning, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS. | |
| VI | 10 | Manage the child with | Management of behavioural & social problems in children | |
| 1 | | behavioral & social | Management of common behavioural disorders. | |
| 1 | | problems | Management of common psychiatric problems. | |
| 4 | | Identify the social & | Management of challenged children: Mentally, | |
| | 122 | welfare services for | physically, & Socially challenged. | |
| 1 | | challenged children | Welfare services for challenged children in India. | |
| 3 | | | Child guidance clinics. | |

Teaching Learning Activities: Lecture cum Discussion, Demonstration of common paediatric procedures, Film show on breast feeding, Developmental study of infant and children, Observation study of normal & sick child, Field visits to Anganwadi, child guidance clinics, school for mentally & physically, socially challenged, Demonstration, Practice session, Clinical practice, Workshop on neonatal resuscitation etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of field reports, Assessment of field visits and developmental study reports, Assessment of skills with checklist etc.

Recommended Books:

- 1. Rimpal Sharma: Essentials Of Pediatric Nursing, Jaypee, 2021
- 2. Dorothy.A.Marlow and Barbara Redding: Marlow's Textbook of Pediatric Nursing, 2013, Elseveir
- 3. K.P.Neeraja: Textbook of Growth and development for Nursing students, 2006, Jaypee
- 4. Parul Dutta: Pediatric Nursing, 5th edition, 2022, Jaypee
- 5. Piyush Gupta: Essential Pediatric Nursing, 4th edition, CBS Publishers and Distributors Pvt Ltd 2011
- 6. Meherban Singh: Care of Newborn, 9th edition, CBS Publishers and Distributors Pvt Ltd, 2021.
- 7. Marilynn E. Doenges & Mary Frances Moorhouse-Nursing care Plans in Child Health Nursing

Reference Books:

- 1. A Parthasarathy: IAP textbook of Paediatrics, 7th edition, Jaypee, 2019
- 2. Marilyn J Hockenberry & David Wilson: Clinical Companion For Wong'S Essentials Of Paediatric Nursing, 8th edition, Mosby Elsevier, 2019
- 3. Anigrace Kalaimathi: Nurses Guide To Neonatal Procedures, Jaypee, 2007
- 4. Mukesh Chandra Sharma: Essentials of Paediatric Nursing, Wolters Kluwer
- 5. Nelson: Textbook of Paediatrics, 21st edition, Elsevier
- 6. O.P. Ghai: Essential Pediatrics, CBS Publication, 9th edition, 2019
- 7. Ramesh Agrawal: Aiims protocol in neonatology vol-I & II, Noble vision publishers, 2019
- 8. S K Kabra & Rakesh Lodha: Pediatric intensive care protocol AIIMS, Indian Journal of Pediatrics, 8th edition, 2021
- 9. Arun Babu: Paediatrics for Medical graduates, Elsevier, 2018

MENTAL HEALTH NURSING

Placement: Third Year **Time:** Theory- 90 hrs

Practical: 270 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|-----------------------|----------------------------|------------|-------------|
| XVI | Mental Health Nursing | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) |
|-------|-----------------------|----------|----------------------------|
| XVI | Mental Health Nursing | 2 hours | 50 |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

<u>Note:</u> An examiner/paper setter in the subject of Paper – XVI: Mental Health Nursing needs to have a postgraduate degree in Mental Health / Psychiatric nursing specialty with a minimum of 3 years of collegiate / University level teaching experience.

Course Description: This course is designed for developing an understanding of the modern approach to mental health, identification, prevention, and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

| Unit | Time | Learning | Content | | |
|------|-------|--|---|--|--|
| No. | (hrs) | Objectives | | | |
| I | 5 | Describes the historical development & current | Introduction Perspectives of Mental Health and Mental Health | | |
| | | trends in mental health nursing Describe the epidemiology of mental health problems | Nursing: evolution of mental health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders. | | |
| | | of mental health problems Describe the National Mental Health Act, programs and mental health policy. Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour. | Mental Health Act National Mental health policy vis-à-vis National Health Policy. National Mental Health program Mental health team Nature and scope of mental health nursing. Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice | | |
| | | | Concepts of normal and abnormal behaviour. | | |

| Unit No. | Time (hrs) | Learning Objectives | Content |
|-------------|------------|---|--|
| II | 5 | Defines the various terms | Principles and Concepts of Mental Health Nursing |
| | | used in mental health Nursing. | Definition: mental health nursing and terminology used Classification of mental disorders: ICD. |
| | | Explains the classification of mental disorders. | Review of personality development, defense mechanisms. |
| | | Explain psychodynamics of maladaptive behaviour. | Maladaptive behaviour of individuals and groups: stress, crises and disaster(s). |
| | | Discuss the etiological factors, psychopathology of mental disorders. | • Etiology: bio-psycho- social factors. Psychopathology of mental disorders: review of structure and function of brain, limbic system and |
| | A | Explain the Principles and standards of Mental Health | abnormal neuro transmission. • Principles of Mental health Nursing. |
| | 1 | Nursing. | Standards of Mental health Nursing practice. |
| | / | Describe the conceptual models of mental health | Conceptual models and the role of nurse: Existential Model, Psycho-analytical models, Behavioral; models, |
| III | 8 | nursing. | Interpersonal model. Assessment of mental health status. |
| 1111 | o | Describe nature, purpose and process of assessment | History taking |
| A | | of mental health status | Mental status examination, Mini mental status |
| | | | examination. |
| 1 | | | Neurological examination: Review. |
| | | | • Investigations: Related Blood chemistry, EEG, CT & MRI. |
| | ١., | | Psychological tests Role and responsibilities of nurse. |
| IV | 6 | Identify therapeutic | Th <mark>er</mark> apeutic communication and nurse-patient |
| | - 1 | communication techniques | |
| | | Describe therapeutic | • Therapeutic communication: Types, techniques, |
| | | relationship. | characteristics |
| | | Describe therapeutic impasse and its | Types of relationship,Ethics and responsibilities |
| | | intervention. | Elements of nurse patient contract |
| | | meer veneron. | Review of technique of IPR- Johari Window |
| | | 1/05 | Goals, phases, tasks, therapeutic techniques. |
| | | | Therapeutic impasse and its intervention |
| V | 14 | Explain treatment | Treatment modalities and therapies used in mental |
| | | modalities and therapies | disorders. |
| | | used in mental disorders | Psycho Pharmacology |
| | | and role of the nurse. | Psychological therapies: Therapeutic community, |
| | | | psycho therapy – Individual: psycho-analytical, |
| | | | cognitive and supportive, Family, Group, Behavioral, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, |
| | | | bio feedback. |

| Unit | Time | Learning | Content |
|---------------------------------------|-------|---|--|
| No. | (hrs) | Objectives | |
| | | | Alternative systems of medicine. |
| | | | Occupational therapy. |
| | | | Physical Therapy: electro convulsive therapy. |
| | | | Geriatric considerations |
| | | | Role of nurse in above therapies. |
| VI | 5 | Describe the etiology, | Nursing management of patient with Schizophrenia, and |
| | | | other psychotic disorders |
| | | manifestations, diagnostic | Classification: ICD |
| | | criteria and management of | Etiology, psycho- pathology, types, clinical 9 |
| | | patients with | manifestations, diagnosis, Nursing Assessment-History, |
| | | Schizophrenia, and other | Physical and mental assessment, Treatment modalities |
| | | psychotic disorders | and nursing management of patients with Schizophrenia |
| | . 3 | P.A.D. | and other psychotic disorders |
| | 1 | | Geriatric considerations |
| | 1 | | Follow – up and home care and rehabilitation |
| VII | 5 | Describe the etiology, | Nursing management of patient with mood disorders |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | Psycho-pathology clinical | |
| 1 | | manifestations, diagnostic | |
| - 4 | | criteria and management | Etiology, psychopathology, clinical manifestations, |
| | | of patients with mood | diagnosis, Nursing Assessment- History, Physical and |
| | | disorders | mental assessment, Treatment modalities and nursing |
| | | disorders | management of patients with mood disorders |
| 1 | | | Geriatric considerations |
| | | | |
| VIII | 8 | Describe the ethalore | • Follow-up and home care and rehabilitation |
| V 111 | 0 | Describe the etiology, Psycho-pathology clinical | Nur <mark>sin</mark> g management of patient with neurotic, stress related and somatization disorders |
| | | manifestations, diagnostic | Anxiety disorder, Phobias, Dissociation and Conversion |
| | - 1 | criteria and management | disorder, Obsessive- compulsive disorder, somatoform |
| | | of patients with neurotic, | disorders, Post traumatic stress disorder. |
| | | stress related and | Etiology, psycho- pathology, clinical manifestations, |
| | | somatization disorders | diagnosis, Nursing Assessment-History, Physical and |
| | | somatization disorders | mental assessment, Treatment modalities and nursing |
| | | | management of patients with neurotic, stress related and |
| | | | somatization disorders. |
| | | 1000 | Geriatric considerations |
| | | | Follow-up and home care and rehabilitation |
| IX | 5 | - Describe the eticlose | |
| IA | 3 | Describe the etiology, payche pethology, clinical. | Nursing management of patient with substance use disorders |
| | | 1 3 1 | |
| | | manifestations, diagnostic | Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal |
| | | criteria and management | |
| | | of patients with substance use disorders | Etiology of dependence: tolerance, psychological and physical dependence, with drawal syndrome, and |
| | | use disorders | physical dependence, withdrawal syndrome, and |
| | | | diagnosis. |
| | | | Nursing Assessment- History, Physical, mental |

| Unit | Time | Learning | Content |
|------|-------|--|---|
| No. | (hrs) | Objectives | |
| | | | assessment and drug assay |
| | | | Treatment (detoxification, antabuse and narcotic |
| | | | antagonist therapy and harm reduction) and nursing |
| | | | management of patients with substance use disorders. |
| | | | Geriatric considerations |
| | | | Follow-up and home care and rehabilitation. |
| X | 4 | Describe the etiology, | Nursing management of patient with Personality, Sexual |
| | | | and Eating disorders |
| | | manifestations, diagnostic | Classification of disorders |
| | | criteria and management | Etiology, psychopathology, characteristics, diagnosis, |
| | | of patients with | Nursing Assessment – History, Physical and mental |
| | l d | personality, Sexual and | assessment, Treatment modalities and nursing |
| | | Eating disorders | management of patients with Personality, Sexual and |
| | | | Eating disorders |
| | 4 | 7 | Geriatric considerations |
| | 4 | | Follow-up and home care and rehabilitation |
| XI | 6 | Describe the etiology, | Nursing management of childhood and adolescent |
| 1 | · · | | disorders including mental deficiency |
| 8 | | manifestations, diagnostic | Classification |
| | | criteria and management | • Etiology, psycho- pathology, characteristics, diagnosis, |
| 9 | | of childhood and | Nursing Assessment-History, Physical, mental and IQ |
| 1 | | adolescent including | assessment, Treatment modalities and nursing |
| 1 | | mental deficiency | management of childhood disorders including mental |
| | 1 | incinui dericione | deficiency |
| | | | Follow-up and home care and rehabilitation |
| XII | 5 | • Describe the etiology, | Nursing management of organic brain disorders |
| 1111 | | psycho-pathology, clinical | Classification: ICD |
| | 7 | manifestations, diagnostic | • Etiology, psycho- pathology, clinical features, diagnosis |
| | | criteria and management of | and Differential diagnosis (Parkinson's and |
| | | organic brain disorders | Alzheimer's), Nursing Assessment- History, Physical, |
| | | | mental and neurological assessment, Treatment |
| | | | modalities and nursing management of organic brain |
| | | | disorders |
| | | D. | Geriatric considerations |
| | | 1000 | Follow-up and home care and rehabilitation |
| XIII | 6 | Identify psychiatric | Psychiatric emergencies and crisis intervention |
| | | emergencies and carry out | Types of psychiatric emergencies and their management |
| | | crisis intervention | Stress adaptation Model: stress and stressor, coping, |
| | | | resources and mechanism |
| | | | Grief: Theories of grieving process, principles, |
| | | | techniques of counseling |
| | | | Types of crisis |
| | | | Crisis Intervention: Principles, Techniques and Process |
| | | | Geriatric considerations |
| | | | • Genautic considerations |

| Unit | Time | Learning | Content | | | |
|------|-------|---|---|--|--|--|
| No. | (hrs) | Objectives | | | | |
| | | | Role and responsibilities of nurse | | | |
| XIV | 4 | • Explain legal aspects | Legal issues in Mental Health Nursing | | | |
| | | applied in mental health | The Mental Health Act 1987: Act, Sections, Articles and | | | |
| | | settings and role of the | their implications etc. | | | |
| | | nurse | Indian lunacy Act. 1912 | | | |
| | | | Rights of mentally ill clients Forencie psychiatry | | | |
| | | | Forensic psychiatry | | | |
| | | - BA | Acts related to narcotic and psychotropic substances and | | | |
| | | W. M. | illegal drug trafficking | | | |
| | | | Admission and discharge procedures | | | |
| | | ACC. | Role and responsibilities of nurse | | | |
| XV | 4 🔌 | Describe the model of | Community Mental Health Nursing | | | |
| | | preventive psychiatry | Development of Community Mental Health Services: | | | |
| | | Describe Community | National Mental Health Program | | | |
| | // | Mental health services and | Institutionalization Versus De-institutionalization | | | |
| | - | role of the nurse | Model of Preventive psychiatry: Levels of Prevention | | | |
| 1 | | | Mental Health Services available at the primary, | | | |
| N A | | | secondary, tertiary levels including rehabilitation and | | | |
| | | | Role of nurse | | | |
| 3 | | | Mental Health Agencies: Government and voluntary, | | | |
| ł. | | | National and International | | | |
| 1 | | | • Mental health nursing issues for special populations: | | | |
| | | | Children, Adolescence, Women, Elderly, Victims of | | | |
| | | | violence and abuse, Handicapped, HIV/AIDS etc. | | | |

Teaching Learning Activities: Lecture cum discussion, Explain using charts, slides, Review of personality development, Demonstration, Practice session, Group work, Role play, Process recording, Supervised clinical/field practice, Case discussions, Field visits to mental health service agencies etc.

Assessment Methods: Essay type, Short answer questions, MCQs, Assessment of field visit reports, Assessment of skills with checklist, Assessment of patient management problems etc.

Recommended Books:

- 1. R Sreevani- A guide to Mental health & Psychiatric nursing, 4th edition, Jaypee publications
- 2. Mary C.Townsend- Psychiatric Mental health nursing- Concepts of care in evidence based practice, Recent edition, FA Davis Company
- 3. Niraj Ahuja- A Short textbook of psychiatry, 7th edition, Jaypee publications
- 4. Dorothy D. Theodore- Textbook of mental health nursing: Vol I & II, Recent edition, Elsevier publications
- 5. K.P Neerja-Essentials of Mental health and Psychiatric nursing: Vol I & II, Recent edition, Jaypee publications
- 6. Patricia Casey, Brendan Kelly Kelly- Fish's Clinical Psychopathology Signs and symptoms in Psychiatry, 4th edition, RCPsych Publications
- 7. Marilynn E. Doenges & Mary Frances Moorhouse-Nursing care Plans in Mental Health Nursing

Reference Books:

- 1. Lalitha K- Mental Health and Psychiatric Nursing, Recent edition, CBS Publishers
- 2. Stuart, Gail Wiscarz- Principles And Practice Of Psychiatric Nursing, 10th edition, Elsevier publications
- 3. Boyd Mary Ann- Psychiatric Nursing: Contemperory Practice, 6th edition, Lippincott Williams & Wilkins
- 4. Boyd Mary Ann, Leubbert Rebecca- Essentials of Psychiatric Nursing, Recent edition, Wolters Kluwer publications
- 5. Benjamin James Sadock & Virginia Alcott Sadock, Pedro Ruiz Ruiz- Kaplan & Sadock's Comprehensive Textbook of Psychiatry Benjamin James Sadock & Virginia Alcott Sadock, Pedro Ruiz, 10th edition, Wolters Kluwer publications
- Benjamin James Sadock & Virginia Alcott Sadock Sadock- Kaplan & Sadock's Synopsis
 of Psychiatry Benjamin James Sadock & Virginia Alcott Sadock, Recent edition,
 Lippincott Williams and Wilkins publications
- 7. Sheila, Videbeck- Psychiatric Mental Health Nursing, 7th edition, Lippincott Williams & Wilkins publications
- 8. Judith M. Schultz, Sheila L. Videbeck- Lippincotts Manual of Psychiatric nursing care plans, 9th edition, Lippincotts Williams & Wilkins publications
- 9. BT Basavanthappa- Psychiatry Mental Health Nursing, Recent edition, Jaypee publications

NURSING RESEARCH AND STATISTICS

Placement: Third Year **Time:** Theory- 45 (30+15) hrs

Practical: 45 hrs

| I | Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|---|----------|---------------------------------|----------------------------|-------------------|-------------|
| | XVII | Nursing Research and Statistics | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 101 |
|-------|---------------------------------|----------|----------------------------|-----|
| XVII | Nursing Research and Statistics | 2 hours | 50 | |

The questions of both the subjects i.e. Research & Statistics will be on the same question paper under demarked Sections B (Nursing Research) & C (Statistics) and to be answered on separate answer books. Section A will include MCQ's and to be answered on a common OMR sheet.

Question paper pattern

| | Research | - 01 | S | Statis <mark>tic</mark> s | |
|-----------------------|----------|-----------|-----------------------|---------------------------|-----------|
| MCQ: | 20 x 0.5 | =10 Marks | MCQ: | NA | =00 Marks |
| Essay type questions: | 1 x 10 | =10 Marks | Essay type questions: | NA | =00 Marks |
| Short notes (SAQ): | 3 x 5 | =15 Marks | Short notes (SAQ): | 3 x 5 | =15 Marks |

<u>Note:</u> An examiner/paper setter in the subject of Paper – XVII: Nursing Research and Statistics needs to have a postgraduate degree in Nursing with specialization in any specialty (Medical Surgical Nursing/ Child Health Nursing/Mental Health Nursing/Community Health Nursing/Midwifery and Obstetrical Nursing) with a minimum of 3 years of collegiate / University level teaching experience.

Course Description: The Course is designed to enable students to develop an understanding of basic concept of research, research process and statistics. It is further structured to conduct/participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The students will conduct individual/group research project.

NURSING RESEARCH AND STATISTICS

Time: Theory- 45 hrs (Research=30 hrs +Statistics=15 hrs embedded in Research Unit VII) **Practical:** 45 hrs

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| Unit | Time | Learning | Content |
|-------|-------|--|--|
| No. | (hrs) | Objectives | |
| I | 4 | Describe the concept | Research and research process |
| | | of research, terms, | Introduction and need for nursing research |
| | | need and areas of | Definition of Research & nursing research |
| | | research in nursing | Steps of scientific method |
| | | Explain the steps of | Characteristics of good research |
| | | research process | Steps of Research process-overview |
| II | 3 | Identify and state the | Research Problem/Question |
| | | research problem and | • Identification of problem area, Problem |
| | | objectives | statement, Criteria of a good research problem. |
| | | | Writing objectives |
| III | 3 | • Review the related | Review of Literature |
| | | literature | • Location, Sources, Online search; CINAHL, |
| | | (2) | COCHRANE etc, Purposes, Method of review |
| IV | 4 | Describe the research | Research approaches and designs |
| | | approaches and | Historical, survey and experimental |
| | | designs | • Qualitative and Quantitative designs |
| V | 8 | • Explain the sampling | Sampling and data collection |
| À | | process | Definition of Population, Sample, Sampling |
| 4 | | • Describe the methods of | criteria, factors influencing sampling process, types |
| | | data collection | of sampling techniques. |
| | | | • Data-why, what, from whom, when and where to |
| 1 | | | collect |
| | | . W. | Data collection methods and instruments: |
| | | | Methods of data collection: Questioning, |
| | | | interviewing, Observations, record analysis and |
| | | | measurement, Types of instruments, Validity & |
| | | | Reliability of the Instrument, Pilot study, Data |
| | | | collection procedure |
| VI | 4 | Analyze, Interpret and | Analysis of data: |
| | | summarize the research | Compilation, Tabulation, classification, |
| | | data | summarization, presentation, interpretation of data |
| VII | 15 | • Explain the use of | Introduction to statistics |
| | | statistics, scales of | Definition, use of statistics, scales of measurement. |
| | | measurement and | • Frequency distribution and graphical Presentation of |
| | | graphical presentation | data |
| | | of data | Mean, Median, Mode, Standard deviation |
| | | • Describe the measures | Normal Probability and tests of significance |
| | | of central tendency | Co-efficient of correlation. |
| | | and variability and | Statistical packages and their application |
| 1/111 | 4 | methods of correlation | Communication and utilization of Research |
| VIII | 4 | Communicate and utilize research finding | |
| | | research finding | Communication of research findings: Verbal report, Writing research report Writing scientific |
| | | | Writing research report, Writing scientific |
| | | | article/paper |

| Unit No. | Time (hrs) | Learning Objectives | Content |
|-------------|------------|------------------------|---------------------------------------|
| | | | Critical review of published research |
| | | | Utilization of research findings |

Teaching Learning Activities: Lecture cum Discussion, Narrate steps of research process followed from examples of published studies, Explain types of research approaches used from examples of published and unpublished research studies with rationale, Exercise on writing statement of problem and objectives, reviewing one research report/article for a selected research problem, Preparation of sample data collection tool Conduct group research project, Preparation of sample tables, Practice on graphical presentations, computation of measures of central tendency, variability & correlation, Read/Presentations of a sample published/unpublished research report, Writing group research project, Prepare annotated bibliography etc.

Assessment Methods: Essay type, Short answer questions, MCQs, Assessment of oral presentation, group research project etc.

Books

Recommended Books:

- 1. Polit, Beck- Nursing Research: Generating and Assesing Evidence for Nursing Practice, Wolters Kluwer
- 2. Denise F Polit- Nursing Research: Principles and Methods, Lippincott Williams & Wilkins
- 3. Sharma Suresh- Nursing Research and Statistics, Elsevier publications
- 4. Nancy Burns- Understanding Nursing Research, Elsevier publications
- 5. Sreevani Rentala- Basic in Nursing Research and Biostatistics, Jaypee
- 6. Rose marie Nieswiadomy- Foundations Nursing Research, Pearson Education India

Reference books:

- 1. Denise F Polit & Cheryl Tatano Beck- Essentials Of Nursing Research: Appraising Evidence For Nursing Practice, Lippincott Williams & Wilkins
- 2. Basavanthappa, B.T.- Nursing Research, Jaypee
- 3. Sukhpal Kaur- Simplified Nursing Research & Statistics for Undergraduates, CBS Publishers
- 4. Indrani, T.K- Research Methodology for Nurses, Jaypee
- 5. Nursing Research and Society of India- Nursing Research and Statistics, Pearson Education India
- 6. Sukhpal Kaur- Nursing Research in 21st Century, CBS Publishers
- 7. Sivabalan, T- Textbook of Nursing Research and Statistics for Undergraduates, CBS Publishers
- 8. Nisha Clement- Textbook on Nursing Research and Statistics, Emmess Medical Publishers

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B.Sc. (HONS.) NURSING IV YEAR

MIDWIFERY AND OBSTETRICAL NURSING

Placement: Fourth Year **Time:** Theory- 90 hrs

Practical: 360 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|--------------------------------------|----------------------------|------------|-------------|
| XVIII | Midwifery and Obstetrical Nursing | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 105 |
|-------|-----------------------------------|-----------------|----------------------------|-----|
| XVIII | Midwifery and Obstetrical Nursing | 2 hours | 50 | |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

<u>Note:</u> An examiner/paper setter in the subject of Paper – XVIII: Midwifery and Obstetrical Nursing needs to have a postgraduate degree in Midwifery / Obstetrical Nursing specialty with a minimum of 3 years of collegiate / University level teaching experience.

Course Description: This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. it helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high-risk neonates and participate in family welfare program.

| Unit | Time | Learning | Content | |
|------|-------|------------------------------------|--|--|
| No. | (hrs) | Obj <mark>ectives</mark> | 7 47.24 | |
| I | 3 | • Recognize the trends and | Introduction to midwifery and obstetrical | |
| | | issues in midwifery and | Nursing | |
| | | obstet <mark>rical nur</mark> sing | Introduction to concepts of midwifery and | |
| | | 1000 | obstetrical Nursing | |
| | | | Trends in midwifery and obstetrical nursing | |
| | | | Historical perspectives and current trends | |
| | | | Legal and ethical aspects | |
| | | | Pre-conception care and preparing for | |
| | | | parenthood | |
| | | | Role of nurse in midwifery and obstetrical | |
| | | | care. | |
| | | | National policy and legislation in relation to | |
| | | | maternal health and welfare. | |
| | | | Maternal, morbidity, mortality and fertility rates | |

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| Unit | Time | Learning | Content |
|------|-------|--|---|
| No. | (hrs) | Objectives | |
| | | | Perinatal, morbidity and mortality rates |
| II | 8 | Describe the anatomy and physiology of female reproductive system | Review of anatomy and physiology of female reproductive system and foetal development Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction-external genitalia, internal genital organs and their anatomical relations, musculature-blood- supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. Physiology of menstrual cycle Human Sexuality Foetal development: Conception, Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at termfunctions, abnormalities the foetal sac, amniotic fluid, the umbilical chord, Foetal circulation, foetal skull, bones, sutures and measurements. |
| Ш | 8 | Describe the diagnosis and management of women during antenatal period | Review of Genetics Assessment and management of pregnancy (antenatal) Normal pregnancy Physiological changes during pregnancy: Reproductive, Cardiovascular, Respiratory, Urinary, Gastrointestinal & Endocrine systems, Metabolic, Skeletal, Skin & Psychological changes, Discomforts of pregnancy Diagnosis of pregnancy: Signs, Differential diagnosis, Confirmatory tests Ante-natal care: Objectives, Assessment: History and physical examination, Antenatal Examination, Signs of previous child-birth, Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position, Per vaginal examination, Screening and assessment for high risk: Risk approach, History and Physical examination, Modalities of diagnosis: Invasive & Non-Invasive, ultrasonic, cardio tomography, NST, CST Antenatal preparation: Antenatal counselling, Antenatal exercises, Diet, Substance use, Education for child-birth, Husband and families, Preparation for safe-confinement, Prevention from radiation, Psycho-social and cultural aspects of pregnancy: Adjustment to pregnancy, Unwed mother, Single parent, Teenage pregnancy, Sexual |

| Unit | Time | Learning | Content |
|----------|-------|---|---|
| No. | (hrs) | Objectives | |
| VI | 4 | Describe the assessment & management of normal neonate. | Assessment and management of normal neonates Normal neonates Physiological adaptation. Assessment and management Physiological adaptation of new born Characteristics of newborn, Immediate appraisal of newborn Apgar score care of newborn Initial and daily assessment. Identification of congenital abnormalities and referral. Essential newborn care, Thermal regulation and prevention of infection. Breast feeding. Immunization. Minor disorders of newborns and its management. Levels of neonatal care and maintenance of records and |
| <u>\</u> | | | reports. |
| VII | 12 | Describe the identification & management of women with high risk pregnancy. | Assessment and management of high risk pregnancy Screening and assessment History taking Physical examination Ultrasonic Cardiotomography NST, CST Invasive procedure Non-invasive procedure Latest modalities of diagnosis: CVS, Amniography, Radiology in obstetrics, etc) High-risk approach Levels of care: primary, secondary & tertiary Disorders of pregnancy Hyperemesis Gravidarum Bleeding in early pregnancy Abortion Ectopic pregnancy Vesicular mole Antepartum haemorrhage Uterine abnormality and displacement Diseases complicating pregnancy Medical and surgical conditions: haematological disorders in pregnancy, tuberculosis, heart disease, diabetes mellitus, thyroid dysfunction, jaundice, |

COLLEGE OF NURSING ALL INDIA INSTITUTE OF MEDICAL SCIENCES MANGALAGIRI

| Unit | Time | Learning | Content |
|------|-------|--|---|
| No. | (hrs) | Objectives | |
| | | | asthma, proteinuria, haematuria in pregnancy, general surgery during pregnancy. Infections -viral hepatitis, syphilis, leprosy, bacteria, parasitic and protozoal infestation in pregnancy, pyelonephritis in pregnancy, SLE, Epilepsy, viral infections, HIV and AIDS, RTI, UTI, TORCH, STD. Gynaecological disorders in pregnancy – abnormal vaginal discharge, congenital malformations, carcinoma cervix, fibroid, ovarian tumour, retroverted gravid uterus, genital prolapsed. Mental disorders -Postpartum blues -Postpartum depression -Postpartum psychosis Toxaemia of pregnancy Pre-eclampsia Eclampsia Hydramnios Rh-incompatibility Multiple pregnancy and IUGR Nursing management of the mothers with high-risk pregnancy Adolescent pregnancy, elderly primigravida and grand multipara. |
| VIII | 10 | Describe management of abnormal labor And obstetrical emergencies | Abnormal Labor-assessment and management Disorders in labor: CPD and contracted pelvis, Malpositions and malpresentations, Premature labor, disorders of uterine actions -precipitate labor, prolonged labor, Complications of third stage: injuries to birth canal Obstetrical emergencies and their management: Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock Obstetrical procedures and operations: Induction of labor, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations Nursing management of women undergoing Obstetrical operations and procedures |

| Unit | Time | Learning | Content |
|------|-------|---|---|
| No. | (hrs) | Objectives | |
| IX | 4 | Describe management of | Abnormalities during Postnatal Periods |
| | | post natal Complications | Assessment and management of woman with postnatal |
| | | | complications |
| | | | ■ Puerperal infections, breast engorgement & |
| | | | infections, UTC, thrombo-Embolic disorders, post- |
| | | | partum haemorrage, Eclampsia and subinvolution, |
| | | | - Psychological complications: Post partum Blues, |
| | | | Depression & Psychosis |
| X | 10 | • Identify the high risk | Assessment and management of High risk newborn 1 |
| | | neonates and their | Admission of neonates in the neonatal intensive care |
| | | nursing management | units-protocols |
| | d | | • Nursing management of: Low birth weight babies, |
| | 3 | | Infections, Respiratory problems, hemolytic disorders, |
| | 11 | | Birth injuries, Malformations, Monitoring of high risk |
| | 1 | | neonates, Feeding of high risk neonates |
| | 1 | | • Organization and management of neonatal intensive |
| i i | 11 | | care units, Infection control in neonatal intensive care u |
| Í | | | nits |
| - 4 | | | Maintenance of reports and records |
| XI | 4 | Describe indication, | Pharmaco-therapeutics in obstetrics |
| 8 | | dosage, action, side | • Indications, dosage, action, contra indication and side |
| 9 | | effects and nurses | effects of drugs, Effect of drugs on pregnancy, labor & |
| 1 | | responsibilities in the | puerperium, |
| | 1 | administration of drugs | • Nursing responsibilities in the administration of drug |
| | N. | used for mothers | in Obstetrics-oxytocins, antihypertensives, diuretics, |
| | 300 | | tocolytic agents, anti-convulsants, Analgesics and |
| | | (1) | anesthesics in obstetrics. |
| | | | Effects of maternal medication on foetus and neonate |
| XII | 10 | • Appreciate the | Family Welfare Program |
| | | importance of family | Population trends and problems in India |
| | | welfare program | • Concepts, aims, importance and history of family |
| | | Describe the methods of | welfare program |
| | | contraception and role of | National Population: dynamics, policy and education |
| | | nurse in family welfare | • National family welfare programs: RCH, ICDS, MCH, |
| | | program | Safe motherhood |
| | | | Organization and administration: at national, state, |
| | | | district, block, and village levels |
| | | | Methods of contraception: spacing, temporary and |
| | | | permanent, Emergency, Latest research in |
| | | | contraception |
| | | | Infertility and its management |
| | | | Counseling for family welfare |
| | | | Maintenance of vital statistics |
| | | | • Role of national, international, and voluntary |

LO

| Unit No. | Time (hrs) | Learning Objectives | Content |
|-------------|------------|------------------------|---|
| 140. | (1115) | Objectives | |
| | | | organizations |
| | | | Role of a nurse in family welfare program |
| | | | Training/Supervision/Collaboration with other |
| | | | functionaries in community like ANMs, LHVs, |
| | | | Anganwadi workers, TBAs (Traditional birth |
| | | | attendant- Dai) |

Teaching Learning Activities: Lecture cum Discussion, Demonstration, explain using Charts, graphs, models, films, slides, video films, scan reports, partograph etc., Case simulated Practice session, supervised clinical practice, Drug book/presentation, Case discussions/Seminar, Health education, Counseling sessions, group projects, field visits etc.

Assessment Methods: Essay type, Short answer questions, MCQs, Assessment of skills with check list, Assessment of patient management problem, project and field visits reports etc.

Essential Requirements:

| Antenatal Examinations | - | 30 |
|--------------------------------|-----|----|
| Conduct Normal deliveries | - | 20 |
| Per vaginal examinations | - | 5 |
| Episiotomy and suturing | - | 5 |
| Neonatal resuscitation | - 5 | 5 |
| Assist with caesarean sections | ď | 2 |
| Witness/assist abnormal | - | 5 |
| Post natal cases nursed | - (| 20 |
| IUD insertions | - | 5 |

Books

Recommended Books:

- 1. Myles Textbook of Midwives, 7th edition, Elsevier, 2020
- 2. Hiralal Konar: D.C. Dutta's Textbook of Obstetrics, 10th edition, Jaypee, 2022.
- 3. A.V.Raman: Reader's Maternity Nursing, 20th edition, 2019
- 4. B.Usha Kumari: Textbook of Obstetrics : as per Competency based curriculum, Elsevier, 2019
- 5. Barbara A Anderson: Best practicals in midwifery
- 6. V.K.Padubidri: Howkins & Browne Shaw's Textbook of Gynaecology, 17th edition, 2018
- 7. Jacob Annamma:Comprehensive Textbook Of Midwifery And Gynecological Nursing, 5th edition, Jaypee, 2018
- 8. Sudha Salhan: Textbook of Obstetrics, 2nd edition, Jaypee, 2016

9. Marilynn E. Doenges &Mary Frances Moorhouse-Nursing care Plans in Midwifery and Obstetrical Nursing

Reference Books:

- David James: High risk Pregnancy, Management options, 5th edition, volume I & II, Cambridge, 2018
- 2. Malhotra, Narendra & Kumar Pratap: Jeffcoates Principles Of Gynaecology, Jaypee, 9th edition, 2018
- 3. Mukherjee & Malhotra: Medicolegal Aspects In Obstetrics And Gynecology, 2nd edition, Jaypee, 2008
- 4. Klossner, Jayne N: Introductory Maternity Nursing, 2nd edition, Wolters Kluwer, 2009
- 5. Jonathan S. Berek: South Asian edition of Berek & Novak's Gyanecology: Wolters Kluwer, 2020
- 6. Shobha Naidu: Elsevier clinical skill manual Obstetrics and Gynaecology in Nursing, Elsevier, 2020
- 7. Lakshmi Seshadri: Essentials of Gynaecology, Lippincott and Wolters Kluwer, 2010

COMMUNITY HEALTH NURSING-II

Placement: Fourth Year **Time: Theory**- 90 hrs

Practical: 135 hrs

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|--------------------------------|----------------------------|------------|-------------|
| XIX | Community Health Nursing-II | 50 | 50 | 100 |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | 113 |
|-------|-----------------------------|----------|----------------------------|-----|
| XIX | Community Health Nursing-II | 2 hours | 50 | |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

Note: An examiner/paper setter in the subject of Paper – XIX: Community Health Nursing-II needs to have a postgraduate degree in Community Health Nursing specialty with a minimum of 3 years of collegiate / University level teaching experience.

Course Description: This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing.

| Unit | Time | Learning | Content |
|------|-------|--|--|
| No. | (hrs) | Objectives | 0000 |
| I | 4 | Define concepts, scope, principles and historical development of Community Health and community health Nursing | Introduction Definition, concept & scope of Community Health and C H Nursing Historical development of Community health & Community health Nursing: Pre-independence, Post-independence |
| II | 6 | Describe health plans, policies, various health committees and health problems in India | Health planning and policies and problems National health planning in India-Five Year Plans Various committees and commissions on health and family welfare: Central council for health and family welfare (CCH and FW), National health policies (1983, 2002), National population policy Health problems in India |

| Unit | Time | Learning | Content |
|------|-------|--|---|
| No. | (hrs) | Objectives | |
| III | 15 | • Describe the system of | Delivery of community health services |
| | | delivery of community | • Planning, budgeting and material management of |
| | | health services in rural | SCs, PHC and, CHC |
| | | and urban areas | • Rural: Organization, staffing and functions of rural |
| | | • List the functions of | health services provided by government at: Village, |
| | | various levels and their | Subcenter, Primary health center, Community health |
| | | staffing pattern | center/subdivisional, Hospitals: District, State, |
| | | • Explain the | Center, Referral system |
| | | components of health | • Urban: Organization, staffing and functions of urban |
| | | services | health services provided by government at: Slums, |
| | | • Describe alternative | Dispensaries, Maternal and child health centers, |
| | | systems of health | Special Clinics, Hospitals, Corporation/ Municipality/Board |
| | | promotion and health maintenance. | • Components of health services: Environmental |
| | // | • Describe the chain of | sanitation, Health education, Vital statistics, M.C.H |
| | // - | referral system | antenatal, nata l, postnatal, MTP Act, female foeticide |
| | 1 | Teleffal system | act, child adoption act, Family Welfare, National |
| 1 | | | health programs, School health services, Occupational |
| l A | | | health, Defense services, Institutional services |
| | | | • Systems of medicine and health care: Allopathy, |
| | | | Indian System of Medicine and Homeopathy, |
| 1 | | | Alternative health care systems like yoga, meditation, |
| 1 | | | social and spiritual healing etc. |
| IV | 25 | Describe Community | Community health nursing approaches , |
| | A. | Health Nursing | concepts and roles and responsibilities of |
| | 1/2 | approaches and | nursing personnel |
| | 1 | concepts | • Approaches: Nursing theories And Nursing process, |
| | | Describe the roles and page of the little of the roles. | Epidemiological approach, Problem solving approach, Evidence based approach, Empowering |
| | | responsibilities of Community health nursing | |
| | | personnel | • Concepts of Primary Health Care |
| | | personner | • Roles and responsibilities of Community health |
| | | | nursing personnel in: Family health services, |
| | | | Information Education Communication (IEC), |
| | | 160 | Management Information System (MIS): Maintenance |
| | | | of Records & reports, Training and supervision of |
| | | | various categories of health workers, National Health |
| | | | Programs, |
| | | | Environmental sanitation, Maternal and child |
| | | | health and Family welfare, Treatment of Minor |
| | | | ailments, School Health Services, Occupational |
| | | | Health, Organization of clinics, camps: Types, |
| | | | Preparation, planning, conduct and evaluation, Waste |
| | | | management in the center, clinics etc. |

| Unit | Time | Learning | Content |
|-------------|-------|---|---|
| No. | (hrs) | Objectives | |
| | | | Home visit: Concept, Principles, Process, Techniques: Bag technique home visit Qualities of Community Health Nurse\ Job Description of Community health nursing personnel |
| V | 15 | • Describe and appreciate | Assisting individuals and groups to promote |
| | | the activities of community health nurse in assisting individuals | and maintain their health Empowerment for selfcare of individuals, families and groups in- |
| | | and groups to promote and maintain their health | and development, Milestones, Weight |
| | A | | measurement, Social development, Temperature and |
| | 6 | 3 | Blood pressure monitoring, Menstrual cycle, Breast self-examination and testicles, Warning signs of various diseases, Tests: Urine for sugar and albumin, |
| | 1 | | • Seek health services for: Routine checkup, |
| Į. | | | • Seek health services for: Routine checkup, Immunization, Counseling, Diagnosis, Treatment, |
| | | | Follow up |
| | | | • Maintenance of health records for self and family |
| | | | Continue medical care and follow up in community |
| | | | for various diseases and disabilities |
| 1 | | | • Carryout therapeutic procedures as prescribed/ |
| | | | required for self and family |
| | N. | | Waste Management: Collection and disposable of waste at home and community |
| | V | | • Sensitize and handle social issues affecting health |
| | | C. Ann | and development for self and family: Women |
| | | | Empowerment, Women and child abuse, Abuse of |
| | | 1/200 | elders, Female Foeticide, Commercial sex workers, |
| | | 1100 | Food adulteration, Substance abuse |
| | | आया | • Utilize community resources for self and family: |
| | | | Trauma services, Old age homes, Orphanage, Homes |
| | | | for physically and mentally challenged individuals, |
| T 7F | 20 | D 1 1 | Homes for destitute |
| VI | 20 | Describe national health and family | National health and family welfare programs and the role of a nurse |
| | | health and family welfare programs | I) National ARl program |
| | | and role of a nurse | Revised National Tuberculosis Control Program |
| | | Describe various health | (RNTCP) |
| | | schemes in India | 3) National Anti-Malaria program |
| | | | 4) National Filaria control program |
| | | | 5) National Guinea worm eradication program |
| | | | 6) National Leprosy eradication program |
| | | | 7) National AIDS control program |

| Unit | Time | Learning | Content |
|------|--------|---|--|
| No. | (hrs) | Objectives | |
| | A LOND | SHIPPE OF ME | 8) STD control program 9) National program for control of blindness 10) Iodine deficiency disorder program 11) Expanded program on immunization 12) National Family Welfare Program-RCH Program historical development, Organization, administration, research, constraints 13) National water supply and sanitation program 14) Minimum Need program 15) National Diabetics control program 16) Polio Eradication: Pulse Polio Program 17) National Cancer Control Program 18) Yaws Eradication Program 19) National Nutritional Anemia Prophylaxis program 20) 20-point program 21) ICDS program 22) Mid-day meal applied nutritional program 23) National mental health program 24) Various Health schemes: ESI, CGHS, Health insurance |
| VII | 5 | Explain the roles and | Health Agencies: |
| | | functions of various | International – WHO, UNFPA, UNDP, World Bank, |
| 1 | | national and | FAO, UNICEF, DANIDA, European Commission (EC), |
| | | international health | Red cross, USAID, UNESCO, Colombo Plan, ILO, |
| | N. | agencies | CARE etc. |
| | 300 | | National - Indian Red Cross, Indian Council for child |
| | | | welfare, Family Planning Association of India (FPAI), |
| | | | Tuberculosis Association of India, Hindu Kusht Nivaran |
| | | | Sangh, Central Social Welfare Board, All India women's |
| | | 10000 | conference, Blind Association of India etc. |

Teaching Learning Activities: Lecture cum Discussion, Panel discussion, Seminar, Demonstration, Explain using Charts, graphs, models, films, slides, video films, Supervised clinical/field practice, Individual/group/family /community health education, Counseling sessions, Participation in camps Group Project, Visits to various health delivery systems, Participation in national health programs etc.

Assessment Methods: Essay type, Short answer questions, MCQs, Assessment of skills with check list, Assessment of project and field visits reports etc.

Books

Recommended books:

- 1. Park's Textbook of Preventive and Social Medicine, Bhanot publishers, 27th edition, 2022
- 2. Kamala G:Community Health Nursing I, 1st edition, Florence publishers, 2022
- 3. Neelam Kumari: Community Health Nursing I, Pee Vee Books, 2017
- 4. Veerbadrappa GM: The Short Textbook Of Community Health Nursing Vol.1and vol 2, Jaypee Brother, 2016
- 5. KK Gulani: Community Health Nursing (principles and practices) 2nd edition. Kumar publishing house,2019
- 6. K Park: Essentials Of Community Health Nursing, 6th edition, Banarsidas Bhanot, 2012

Reference books:

- 1. AP Kulkarni: JP BarideTextbook of Community Medicine, 4th edition, Vora Medical Publications, 2013
- 2. Mahajan and Gupta:Textbook of Preventive and social medicine, 4th edition, Jaypee Brothers Medical Publishers, 2013
- 3. Basavantappa: Community Health Nursing (2 Volume Set) For BSc and PB BSc Nursing Students with Free Community Health Nursing Practice Workbook Jaypee Brothers Medical Publishers, 2nd edition, 2008
- 4. Thressiamma Pm: Procedures and Theories Of Community Health Nursing, Jaypee Brothers Medical Publishers, 2010
- 5. Rajveer Bhalwar: Textbook of Community medicine, Wolters Kluver, 4th edition, 2021
- 6. I Clement: Basic Concepts of Community Health Nursing, 2nd edition, Jaypee Publisher, 2011
- 7. I Clement: Manual of Community health nursing, Jaypee Publisher, 2012
- 8. Shyamala D. Maniyannan: Textbookof Community health nursing I for B.Sc. Nursing, 2017

MANAGEMENT OF NURSING SERVICES & EDUCATION

Placement: Fourth Year **Time: Theory-** 90 hrs

(Theory 65 + 25 Lab)

| Paper No | Subject | Internal Assessment | Final Exam | Total Marks |
|----------|-----------------------|----------------------------|------------|-------------|
| XX | Management of Nursing | 50 | 50 | 100 |
| | Services & Education | | | |

Scheme of examination (Theory / Written)

| Paper | Subject | Duration | Max. Marks (Final Exam) | |
|-------|--|----------|----------------------------|--|
| XX | Management of Nursing Services & Education | 2 hours | 50 | |

Question paper pattern

| MCQ: | 20 x 0.5 | =10 Marks |
|--------------------|----------|-----------|
| Essay type (LAQ): | 2 x 10 | =20 Marks |
| Short notes (SAQ): | 4 x 5 | =20 Marks |

Note: An examiner / paper setter in the subject of Paper – XX: Management of Nursing Services & Education need to have a post graduate degree in any Nursing specialty (Medical Surgical Nursing/ Child Health Nursing/Mental Health Nursing/Community Health Nursing/Midwifery and Obstetrical Nursing) with a minimum 3 years of collegiate / University level teaching experience.

Course Description: This course is designed to enable students to acquire understanding of management of clinical and community health nursing Services, nursing educational programs. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

| Unit | Time | | Learning | Content | |
|------|---------|--|---------------------------------|--|--|
| No. | (hours) | | Objectives | | |
| | Th. Pr. | | | | |
| I | 4 | | Explain the | Introduction to management in nursing | |
| | | | principles and | Definition, concepts and theories | |
| | | | functions of | Functions of management, Principles of Management | |
| | | | management | Role of Nurse as a manager | |
| II | 5 | | • Describe the | Management process | |
| | | | elements and | • Planning; mission, philosophy, objectives, operational | |
| | | | process of | plan | |
| | | | management | Staffing: philosophy, staffing study, norms, activities, | |
| | | | | patient classification systems, scheduling, Human | |
| | | | | resource management; recruiting, selecting, | |

| Unit | Time | e | Learning | Content |
|------|------------|-----|---|--|
| No. | (hour | s) | Objectives | |
| | Th. | Pr. | | |
| III | 8 | 20 | • Describe | deployment, retaining, promoting, superannuation etc. Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies Directing process (Leading) Controlling: Quality management Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart), Management of nursing services in the hospital and |
| 111 | 8 | 20 | | Community |
| | · MONT THE | | managemen t of nursing services in the hospital and Community | Planning: Hospital and patient care units including ward management, Emergency and disaster management Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc, Categories of nursing personnel including job description of all levels, Patient/population classification systems, Patients/population assignment and Nursing care responsibilities, Staff development and welfare Budgeting: proposal, projecting requirements for staff, equipment and supplies for: Hospital and patient care units, Emergency and disaster management Material Management; procurement, inventory control, auditing and maintenance in: Hospital and patient care units, Emergency and disaster management Directing and leading: delegation, participatory management: Assignments, rotations, delegations, Supervision & guidance, Implement Standards, policies, procedures and practices, Staff development and welfare, Maintenance of discipline Controlling /Evaluation: Nursing Rounds /Visits, Nursing protocols, Manuals, Quality Assurance Model, documentation-Records and reports, Performance appraisal |
| IV | 5 | | • Describe the | Organizational behavior and hu man relations |
| | | | concepts, | Concepts and theories of organizational behaviors Review of Channels of communication |
| | | | theories and techniques | Review of Channels of communicationLeadership styles |
| | | | of | Review of Motivation: concepts and theories |
| | | | organization | Group dynamics, Techniques of: Communication and |
| | | | al behavior | Interpersonal relationships, Human relations, Public |

| Unit | t Time I | | Learning | Content |
|------|----------|---------------|--|---|
| No. | (hou | ırs) | Objectives | |
| | Th. | Pr. | | |
| | | | and human relations | relations in context of nursing, Relations with professional associations and employee unions and Collective bargaining |
| V | 5 | 5 | • Participate in | In service education |
| | Á | | planning and organizing in service education program | Nature & scope of in-service education program, Organization of in service education Principles of adult learning, Planning for in-service education program, techniques, methods & evaluation of staff education program, Preparation of report |
| VI | 10 | | Describe | Management of Nursing Educational Institutions |
| | | by a state of | management of Nursing educational Institutes | Establishment of Nursing educational institution-INC norms and guidelines Co-ordination with-Regulatory bodies, Accreditation, Affiliation: Philosophy/ objectives, Organization: Structure, Committees, Physical facilities: College/School, Hostel Students: Selection, Admission, Guidance and Counseling, Maintaining discipline Faculty and staff: Selection, Recruitment, Job description, Placement, Performance appraisal, Development and welfare Budgeting, Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc., Curriculum; Planning, implementation and evaluation, Clinical facilities Transport facilities Institutional Records and reports- administrative, faculty, staff and students |
| VII | 15 | - 44 | • Describe the | Health Economics: |
| | | | concept of health economics and cost effectiveness of health care | Introduction of health economics: Concepts, areas, health economic development, Cost of Health care: Concepts, types, cost benefit, cost effectiveness; studies Demand and supply in health care: Concept, need, supply, input, output, characteristics of health care service market Financing of health care in India: Budget Allocation for health viz a viz total annual budget Sources of health care services, plan outlays for health by states/UTs, central government on financing, health |

| Unit | Tin | ne | Learning | Content | |
|------|------|-----|-------------------------------------|--|--|
| No. | (hou | rs) | Objectives | | |
| | Th. | Pr. | | | |
| | | | | insurance | |
| VIII | 10 | | Describe the | Nursing as a profession | |
| | | | ethical and | Nursing as a profession: Philosophy, nursing practice, | |
| | | | legal | Aims and objectives, Characteristics of a professional | |
| | | | responsibilit | nurse, Regulatory bodies: INC, SN C Acts -constitution, | |
| | | | ies of a | functions, Current trends and issues in Nursing | |
| | | | professional | Professional ethics: Code of ethics & Professional | |
| | | | nurse | conduct of INC, ICN | |
| | | | Explain nursing | Practice standards for Nursing; INC | |
| | | | practice | • Legal Aspects in Nursing: Consumer protection act, Legal | |
| | | | standards | terms related to practice: registration and licensing, Laws | |
| | - // | | | related to nursing practice: Breach and penalties, | |
| | 113 | | | Malpractice and negligence | |
| IX | 3 | | • Explain various | Professional Advancement: | |
| | 1 | | opportunities | Continuing education | |
| Į. | | | for professional | Career Opportunities | |
| À | | | advancement | Collective bargaining | |
| - 1 | | | | Membership with Professional organizations: National | |
| | 100 | | | and International | |
| | | | | Participation in research activities | |
| 1 | | | | • Publications: Journals, newspapers etc., | |

Teaching Learning Activities: Lecture cum discussion, Panel discussion, Seminar, Explain using Charts, Case studies & discussion, Critical incidents Supervised practice in ward-writing indents, preparing duty roaster, ward supervision, Assignment on duties and responsibilities of ward sister, Group games & exercises, Plan & conduct an educational session for in service nursing personnel, Role plays & Counselling session, Review/Presentation of published articles, Group work on maintenance of bulletin board, Visit to INC/SNRCs etc.

Assessment Methods: Essay type, Short answer questions, Objective type, Assessment of problem solving exercises, critical incidents, planning & conduct of the educational session, assignments, Performance evaluation by ward sister with rating scale, Assessment of skills with check list etc.

Books

Recommended Books:

- 1. Huber, Diane: Leadership And Nursing Care Management, 6th edition, Elsevier, 2017
- Sukhbir Kaur, Jagjit Kaur: Textbook Of Nursing Management And Services For Bsc And Post Basic Nursing, Jaypee, 2013
- 3. I. Clement: Management Of Nursing Services and Education, 2nd edition, Elsevier, 2015
- 4. Vati Jogindra: Principles & Practice Of Nursing Management & Administration, 2nd edition, Jaypee, 2020
- 5. Clement Nisha: Essential Of Management Of Nursing Services And Education, Jaypee, 2022
- 6. Beena M R, Harikrishna GL, Kiruba JC: Textbook Of Nursing Management & Services For B.Sc Nursing Students, CBS Publishers, 2020
- 7. Manivannan C, Manivannan T Latha, Baskaran J: Textbook Of Nursing Management In Service & Education, Jaypee, 2016

Reference Books:

- 1. Molly babu: Textbook Of Nursing Management & Education For B.Sc Nursing Students: CBS Publishers, 1st edition
- 2. Neelam Kumari: A textbook of Management of Nursing service and education, 7th edition, PU books, 2017
- 3. Huber, Diane: Leadership And Nursing Care Management, Cramlol, 2010
- 4. Samson Rebecca: Leadership And Management In Nursing Practice And Education, Jaypee, 2009
- 5. D. Elakkuvana Bhaskara Raj: Management Of Nursing Service And Education, Emmes, 2015

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B.Sc. (HONS.) NURSING INTERNSHIP

(As Integrated Practice for six months)

MEDICAL – SURGICAL NURSING – PRACTICAL (Including Geriatrics)

Placement: Internship Time: 430 hours (9 weeks)

| | Duration | | GI | | |
|--|---------------|--|--|--|---|
| Areas | (in weeks) | Objectives | Skills | Assignments | Assessment Method |
| ICU, CCU, CARDIA C OT | 2 | To gain proficiency in ICU nursing Develop advance skill in special procedures used in critical care units Identify potential problems & provide care accordingly Skill in setting & handling ventilator Administer injection in infusion pump. Record accurately findings medications Develop IPR with family members Acquaint with OT technique | puncture for blood gas analysis. Perform ECG & interpret accordingly Conduct & analysis pulse oximetry Care with artificial Airway Assist in Endotracheal intubation Setting up ventilator Giving care in ventilator Drug sheet Observation of | Taking out ECG Stripe-5 For all assigned Patients Oxygen administration by CPAP mask and use Ambu Bag Assessment for all | |
| Neuro, ICU, ITU, OT | 2 | Develop skill in neurological assessment Giving care to the patient with head injury & spinal injury Care with chest surgery &cranial surgery | status Implement care to head Injury, spinal injury patients Drug sheet Pre and post operative care with | assigned Patients | Record bookObservation checklist |
| Burns and plastic reconstr uctive surgery | 2 | Assess the severity of burns Administer Rehydration therapy Observe Reconstructive surgery | Nursing care | A Section of the sect | |
| OT Laprosco pic, | 3 | Identify instrumentsAssist in OT Set up | Use of gown, gloves, mask & cap | | |

| Areas | Duration (in weeks) | Objectives | Skills | Assignments | Assessment Method |
|----------|---------------------------|---|--|-------------|----------------------|
| Orthopa | | Supervise sterilization | Act as a scrub nurse & | | |
| edic, | | Assist in OT Table lay | circulatory nurse | | |
| Eye, ENT | | out | Setting up the | | |
| | | Observe immediately | different trollies | | |
| | | after operation | Assisting in the | | |
| | | Supervise infection | Surgical Procedures | | |
| | | control | Providing care to post- | | |
| | | at N | op patients in recovery | No. | 125 |
| | | | unit | | |

Placement: Internship Time: 9 weeks

| Areas | Duration (in weeks) | Objectives | Skills | Assessment |
|----------------------------|---------------------------|-----------------------|------------|------------------|
| Medical Wa <mark>rd</mark> | 2 | Provide comprehensive | Integrated | Assess clinical |
| | | care to patients with | Practice | performance with |
| Surgical Ward | 2 | medical & surgical | .0 | rating scale |
| | | conditions including | | |
| | | emergencies | | |
| Critical care unit/ ICCU | 1 | | AN | M. |
| | | 4 | | (8) |
| | 2 | 17 | | 7 |
| Casualty/ Emergency | 0 | 11 62 | Sec. | |
| Operation Theatre (Eye, | 2 | Assist with common | 111 | |
| ENT, Neuro) | - 7 | operations | | |

CHILD HEALTH NURSING – PRACTICAL

Placement: Internship Time: 145 hours (3 weeks)

| Areas | Duration (in weeks) | Objectives | Skills | Assessment |
|--------------|------------------------|---------------------------|---------------------|-----------------|
| | (III WCCKS) | | | |
| Paediatric | 1 | Provide | Integrated Practice | Assess clinical |
| Medicine | 100 | Comprehensive | | performance |
| Ward/ICU | | care to children | Gran . | with rating 126 |
| | | with various | 24/50 | scale |
| | | medical | | |
| | | condit <mark>io</mark> ns | | |
| Paediatric 🧷 | 1 | Provide | Integrated Practice | Assess clinical |
| Surgery | CAN | Comprehensive | | performance |
| Ward/ICU | 7 | care to children | | with rating |
| /4 | 7 | with various | | scale |
| | | surgical | | |
| | | conditions | | |
| NICU | 1 | Provide Intensive | Integrated Practice | Assess clinical |
| | | care to neonates | | performance |
| The same of | | - (1) | | with rating |
| | | | | scale |



MENTAL HEALTH NURSING – PRACTICAL

Placement: Internship Time: 145 hours (3 weeks)

| Areas | Duration (in weeks) | Objectives | Skills | Assessment |
|-----------------|------------------------|--|---------------------|---|
| Psychiatry Ward | 3 | Provide Comprehensive care to patients with mental health problems | Integrated Practice | Assess clinical Performance with rating scale |



MIDWIFERY AND OBSTETRICAL NURSING- PRACTICAL

Placement: Internship Time: 240 hours (5 weeks)

| Areas | Duration (in weeks) | Objectives | Skills | Assignment | Assessment |
|--|---------------------------|--|------------|---------------------------------------|--|
| Labour Ward | 2 | Provide | Integrated | Completion of | Assess clinical |
| Neonatal Intensive care unit/ NICU | 1 | Comprehensive care to mothers & neonates | Practice | other essential Requirement Case book | performance with rating scale |
| Antenatal | 2 | W | Z | recordings | Completion of case book recordings |



COMMUNITY HEALTH NURSING

Placement: Internship Time: 195 Hrs (4 weeks)

| Areas | Duration (in weeks) | Objectives | Skills | Assessment |
|-------|------------------------|--|---|--|
| Urban | 4 | Provide comprehensive care to individual, family & community | Integrated Practice & group project – 1 in each rural & urban | Assess clinical performance with rating scale. Evaluation of project |

