

Library copy

**SYLLABUS AND REGULATIONS
FOR THE
DIPLOMA IN GENERAL NURSING
AND MIDWIFERY**

REVISED – 2001



Published by
Indian Nursing Council
Combined Council Building, Kotla Road, Temple Lane,
New Delhi-110002

Price : Rs. 100/-

Copyright © 2001 by Indian Nursing Council

Year of Revision 2001

Second Print - 2007

Third Print - 2009

Fourth Print - 2011

Fifth Print - 2012

All rights reserved. No part of this publication may be reproduced, reviewed, abstracted, stored in a retrieval system or transmitted in any form or by any means including photocopying without the prior written permission of the Indian Nursing Council, New Delhi.

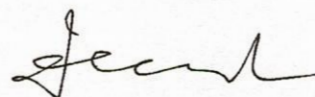
PREFACE

Indian Nursing Council (INC) is a National statutory body. INC's main function is to establish Uniform Standard of nursing Education for Nursing personal and to prescribe the syllabus and regulations for various categories of Nursing personnel.

Indian Nursing Council has revised the syllabus and regulations for the General Nursing and Midwifery training programme. The revision was undertaken by having series of consultations with the various Nursing experts i.e., Nursing teacher and Nursing service personnel. The duration of the programme has been increased from 3 years to 3½ years. The additional six months has been earmarked for internship so that the candidates should be able to develop desired competencies.

While revising the syllabus the Indian Nursing Council has taken into account the minimum infrastructure required i.e., Physical facility Clinical, laboratory, Library and Teaching Staff. The latest into consideration. In order to facilitate the teachers to effectively implement the revised syllabus, Indian Nursing Council has developed curriculum guide for the teachers of the School of Nursing. I am confident that this revised syllabus and regulations will be able to prepare Nurses to provide qualitative Nursing care in the hospital and community.

I also take this opportunity to acknowledge the contribution of Mrs. A.K. Ahluwalia (Chairperson, Ex-Vice President of the Indian Nursing Council), experts from the various fields, staff of INC in the preparation of this document. I also acknowledge, Ms. K.S. Bharati for designing and formatting of the document involved in the process of revising the syllabus, regulation and printing of the documents.



T. Dileep Kumar
President
Indian Nursing Council
and Nursing Adviser to
Govt. of India

INDEX

Contents	Page No.
REGULATIONS	
Introduction	7
Philosophy	8
Aims	9
Objectives	10
Guidelines and Minimum Requirements for Setting up of School of Nursing	11
Admission Terms and Conditions	25
Training Programme	27
Evaluation	32
Internship Period	39
CURRICULUM	
Anatomy and physiology	42
Microbiology	44
Psychology	46
Sociology	48
Fundamentals of nursing	50
First Aids	55
Personal Hygiene	56
Community Health Nursing	57
Environmental Hygiene	60
Health education and communication skills	62
Nutrition	64
English	67
Medical Surgical Nursing-I	68

Contents	Page No.
Medical Surgical Nursing-II	72
Mental Health and Psychiatric Nursing	76
Computers in Nursing	79
Midwifery and Gynaecological Nursing	80
Gynaecological Nursing	85
Community Health Nursing	87
Paediatric Nursing	90

SUBJECT OUT LINE FOR INTERNSHIP

Educational Methods & Media for Teaching in practice of Nursing	96
Introduction to Research	97
Professional Trends and Adjustment	99
Administration and ward Management	101
Health Economics	103

INTRODUCTION

“Health for all” implies both a revolution and decentralization, demanding change in the role of, all health professionals at every level of the health care system. This concept has far reaching implication for Nursing education and Nursing practice. Increasingly, the nursing profession is faced with questions such as:

- How can nursing service meet the health needs of the society most effectively?
- What changes are needed in nursing education?
- How can the necessary changes be effected in the best possible manner?

The revised syllabus has attempted to answer these questions, as they impinge upon basic nursing education. It has systematically reviewed and revised the existing curriculum of General Nursing and midwifery course of three years duration to a three and half years Diploma Course. Indian Nursing Council in collaboration and co-operation of nursing experts from various institutions of nursing in the country has been successful in revising the syllabus. The revision has taken into consideration sound educational principles, changing educational need of nursing profession and the current health needs of the society.

The primary objective of preparing and publishing this revised syllabus for the Diploma in General Nursing and Midwifery is to improve nursing care component in all kinds of patient care settings. By restructuring the curriculum an attempt has been made of the community and country at large. The revised syllabus is board and flexible in nature. It has prescribed the type of learning environment which will enable the student to learn complete, comprehensive and continuous nursing care, both in hospital and community. It also enable the student to develop varied skills of nursing.

This syllabus should be considered as the minimum requirements. However institutions may reorganize the sequence of courses, units or plans to suit their own situations without compromising the minimum requirements laid down by the Indian Nursing Council.

The council hopes that the revised syllabus will provide necessary guidance in meeting the changing needs of the students and the community for the next few years.

PHILOSOPHY

Modern nursing is a dynamic, therapeutic and educative process in meeting the health needs of the individuals, the family and the community. Nursing is one of the health professions which functions in conjunction with other health care agencies in assisting individuals, families and communities to achieve and maintain desirable standards and maintain desirable standards of health.

Indian Nursing Council believes in the concept of health as laid down by the World Health Organization i.e., "Health is state of complete physical mental and social well being and not merely the absence of disease or infirmity".

Since nurses provided and will undoubtedly continue to provide a large part of health care, their training should equip them with professional expertise to meet the changing demands of society and their expanding role therein. To achieve this, emphasis must be laid to impart the knowledge and skills most relevant to the health care needs of the community and the country as a whole. This must also be accompanied by a corresponding change in professional attitudes.

The International Council of Nurses states that the unique function of the nurse is to assist the individual, sick or well, in the performance of those activities contributing to health or its recovery (or to peaceful death) that he would perform unaided if he had the necessary strength, will or knowledge. And to do this in such a way as to help him gain independence as rapidly as possible. Indian Nursing Council recognises that basic nursing education is a formally recognized programme of study providing a broad and sound foundation in the behavioral, life and nursing sciences for the general practice of nursing, for a leadership role and for the post basic education in specialties for advanced nursing practice. The Council believes that this basic course in nursing should prepare nurses for occupying first level positions in nursing in all kinds of health care setting. The Council recognizes that nursing is a profession which is influenced by advances in science and technology. It believes that skills in all aspects of communication are also essential for learning and for the practice of nursing.

The Council also recognizes that the nature of nursing is such that a substantial portion of learning of the students is acquired in the clinical field(s) of practice. It further recognizes the inter-dependence of maintaining and restoring health and prevention of diseases.

The Council believes that it has a responsibility in helping the students to develop pride in their profession besides keeping them abreast with current knowledge and professional trends for a successful career ahead.

AIMS

The basic Diploma course in General Nursing and Midwifery is geared to the health needs of the individual family community and the country at large.

The aims of the diploma in general Nursing and Midwifery programme are:

1. To prepare nurses with a sound educational programme in nursing to enable them to function as efficient members of the health team, beginning with the competencies for first level positions in all kinds of health care settings.
2. To help nurses develop an ability to co-operate and co-ordinate with members of the health team in the prevention of disease, promotion of health and rehabilitation of the sick.
3. To help nurses in their personal and professional development, so that they are able to make maximum contribution to the society as useful and productive individuals, citizens as well as efficient nurses.
4. To serve as a base for further professional education and specialization in nursing.
5. To prepare nurses to keep pace with latest professional and technological developments and use these for providing nursing care service.

OBJECTIVES

The nurse on completion of this course will be able to:

1. Demonstrate competency in providing health care to individual, sick or well, using nursing process.
 - Assess the nursing need of clients from birth to death.
 - Plan and carry out appropriate action to meet nursing needs.
 - Provide effective nursing care for maintaining best possible level of health in all aspects.
 - Promote self care in people under their care.
 - Apply problem solving techniques in nursing practice.
 - Evaluate effectiveness of nursing care.
 - Apply problem solving techniques in nursing practice.
 - Evaluate effectiveness of nursing care.
2. Apply knowledge from the humanities, biological and behavioral sciences in functioning as a nurse.
3. Function effectively with members of the health team and community applying the knowledge of human relations and communication skills in her work.
4. Participate as member of the health team in delivery of curative preventive, promotive and rehabilitative health care service.
5. Mobilise community resources and their involvement in working with the communities.
6. Demonstrate use of ethical values in their personal and professional life.
7. Demonstrate interest in activities of professional organization.
8. Recognize the need for continuing education for professional development.
9. Demonstrate basic skills in teaching patients and giving nursing care to them.
10. Demonstrate basic skills in administration and leadership while working with other members of health team and community.
11. Assist in research activities.

GUIDELINES AND MINIMUM REQUIREMENTS FOR SETTING UP OF SCHOOL OF NURSING

Guidelines

The following are the minimum pre-requisites for recognition of a School of Nursing offering a Diploma in General Nursing and Midwifery programme.

The authority which desires to open a School of Nursing has to furnish the following documentary proof to the Indian Nursing Council and comply with the following :

REGULATION FOR SETTING UP OF GNM SCHOOL OF NURSING

Guidelines for Establishment of New General Nursing and Midwifery School of Nursing

1. Any organization under: (i) Central Government/State Government/Local body (ii) Registered Private or Public Trust (iii) Missionary or any other organization registered under Society Registration Act (iv) Company incorporated under section 25 of company's act are eligible to establish General Nursing and Midwifery School of Nursing.
2. Any organization having 100 bedded Parent (Own) hospital is eligible to established General Nursing Course.
3. Above organization shall obtain the Essentiality Certificate/No Objection Certificate for the General Nursing and Midwifery programme from the respective State Government. The institution name alongwith Trust Deed/Society address shall be mentioned in No Objection Certificate/Essentiality Certificate.
4. An application form to establish Nursing programme is available on the website viz., www.indiannursingcouncil.org, which shall be downloaded. Duly filled in application form with the requisite documents mentioned in the form shall be submitted before the last date as per the calendar of events of that year.
5. The Indian Nursing Council on receipt of the proposal from the Institution to start nursing programme, will undertake the **first inspection** to assess suitability with regard to physical infrastructure, clinical facility and teaching faculty in order to give permission to start the programme.

6. After the receipt of the permission to start the nursing programme from Indian Nursing Council, the institution shall obtain the approval from the State Nursing Council and Examination Board.
7. Institution will admit the students only after taking approval of State Nursing Council and Examination Board.

Teaching faculty

The Principal should be the administrative head of the school. He/She should hold qualification as laid down by INC. The Principal should be the controlling authority for the budget of the school and also be the drawing and disbursing officer. The Principal and Vice-Principal should be gazetted officers in Government Schools and of equal status (though non-gazetted) in non-government Schools.

For School of nursing with annual intake of 40 students:

Teaching Faculty	No. Required
Principal	1
Vice Principal	1
Tutor	10
Additional Tutor for Interns	2
Total	14

Note:

1. Teacher student ratio should be 1 : 10 for student sanctioned strength.
2. One of the Tutors need to stay at the community health field by rotation.
3. The salary structure of the teaching faculty in private Schools of Nursing should not be less than what is admissible in the schools of nursing under State/Central Government.
4. Nursing service personnel should actively participate in instruction, Supervision, guidance and evaluation of student in the clinical and field/ community practice areas. The teaching faculty of the School of nursing should work in close coordination with nursing service personnel.
5. The teaching faculty of the school and the nursing service personnel should be deputed to attend short term educational courses/workshops/ conferences etc. to update their knowledge.

6. It is mandatory for school authorities to treat teaching faculty of the school of nursing on duty when nominated/selected for the purpose of examination or inspection or inspection by the Council.
7. The Senior Tutor and Tutors should spend at least four hours each day in the clinical area for clinical teaching and/or supervision of care by the students.

QUALIFICATION OF TEACHING STAFF

- | | | |
|---------------------|---|---|
| (i) Principal | : | M.Sc. Nursing with 3 years of teaching experience or B.Sc. Nursing (Basic)/Post Basic with 5 years of teaching experience. |
| (ii) Vice-Principal | : | M.Sc. Nursing or B.Sc. Nursing (Basic)/Post Basic with 3 years of teaching experience. |
| (iii) Tutor | : | M.Sc. Nursing or B.Sc. Nursing (Basic/Post Basic) or Diploma in Nursing Education and Administration with 2 years of professional experience. |

EXTERNAL LECTURERS

Besides the regular teaching faculty in the school of Nursing, there should be provision for external lectures for teaching the students. They should possess the desired qualification in the respective subjects which are to be taught. Remuneration of these external lecturers is to be paid as per the Institute/ govt. policy. The external lecturers may comprise of Nursing experts Medical Faculty and scientists, General Educationists including teaching experts in English, computer Education. Physical Education/Yoga, Psychologists, Sociologists, Hospital Dieticians, Nursing Service personnel like Nursing Superintendent, Ward In charge or Ward sister, Health Economist/Statistician etc. working in or outside the institution.

School Management Committee

Following members should constitute the Board of Management of the school.

Principal	Chairperson
Vice-Principal	Member
Tutor	Member
Chief Nursing Officer/ Nursing Superintendent	Member

Representative of Medical Superintendent	Member
Additional Staff for School of Nursing	Member

Additional Staff for School of Nursing

1. Stenographer/Personal Assistant	One	} Should have knowledge of Computer
2. Senior Clerk cum Cashier/ Accountant	One	
3. Junior Clerk cum Typist	One	
4. Librarian	One	
5. Laboratory Attendant	One	
6. Chowkidar/Watchman	Two	
7. Driver	One for each vehicle	
8. Cleaner	One for each vehicle	
9. Peon	Three	
10. Sweeper/Safai Karmachari	Two	
11. Machine (Duplicating/Xerox) operator	One	

NB: Provision should be made to have relieving staff in addition to the regular staff according to rules.

Budget

In the overall budget of the Institution, there should be provision for school budget under a separate head. Principal of the school of Nursing should be the drawing and disbursing officer.

Physical Facilities

Building

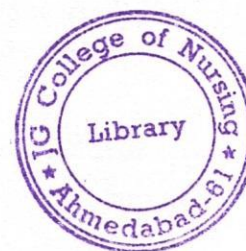
The School of Nursing should have a separate building/teaching block*. For a School with an annual admission capacity of 40-60 students, the constructed area of the School should be 23720 square feet.

The School of Nursing can be in a rented/leased building for first two years. After two years institute shall have own building in an institutional area. Otherwise Rs.3 lakh penalty has to be paid for every year for 3 years. During the penalty period if the institute is not able to construct own building the permission/suitability will be withdrawn and will be taken as a fresh proposal.

Adequate hostel/residential accommodation for students and staff should be available in addition to the above mentioned built up area of the Nursing School respectively. The details of the constructed area are given below for admission capacity of 40-60 students:

Teaching Block

S.No.	Teaching Block	Area (Figure in Sq feet)
1.	Lecture Hall	4 @ 1080 = 4320
2.	(i) Nursing foundation lab	1500
	(ii) CHN	900
	(iii) Nutrition	900
	(iv) OBG and Paediatrics lab	900
	(v) Pre-clinical science lab	900
	(vi) Computer Lab	1500
3.	Multipurpose Hall	3000
4.	Common Room (Male & Female)	1100
5.	Staff Room	1000
6.	Principal Room	300
7.	Vice Principal Room	200
8.	Library	2400
9.	A.V. Aids Room	600
10.	One room for each Head of Departments	800
11.	Faculty Room	2400
12.	Provisions for Toilets	1000
Total		23720 Sqr. Ft.



Note:-

- *1. Nursing Educational institution should be in Institutional area only and not in residential area.
- *2. If the institute has non-nursing programme in the same building, Nursing programme should have separate teaching block.
- *3. Shift-wise management with other educational institutions will not be accepted.
- *4. Separate teaching block shall be available if it is in hospital premises.
- *5. Proportionately the size of the built-up area will increase according to the number of students admitted.
- *6. School and College of nursing can share laboratories, if they are in same campus under same name and under same trust, that is the institution is one but offering different nursing programmes. However they should have equipments and articles proportionate to the strength of admission. And the class rooms should be available as per the requirement stipulated by Indian Nursing Council of each programme.

Hostel Block

S.No.	Hostel Block	Area (Figure in Sq feet)
1.	Single Room	2400
	Double Room	
2.	Sanitary	One Latrine & One Bath room (for 5 students) – 500
3.	Visitor Room	500
4.	Reading Room	250
5.	Store	500
6.	Recreation Room	500
7.	Dining Hall	3000
8.	Kitchen & Store	1500
Total		30750 Sqr. Ft.

Grand Total : 23720 + 30750 = 54470 Sqr. Ft.

1. **Class rooms:** There should be at least four classrooms with the capacity of accommodating the number of students admitted in each class. The rooms should be well ventilated with proper lighting system. There should be built in Black/Green/White Boards. Also there should be space to accommodate a desk/ dais. A big table and a chair for the teacher and racks/cupboards for keeping teaching aids or any other equipment needed for the conduct of classes also should be there. There should be enough space for providing proper and adequate seating facilities for the students in the class.

2. **Laboratories:** There should be at least 6 (six) laboratories as listed below:

- (a) **Nursing Practice Laboratory:** There should be demonstration beds in proportion to the number of students practicing a nursing procedure at a given point of time (the desired ratio being 1 bed: 6 practicing students).

It should be fully equipped with built-in-cupboards and racks. Wash-basins with running water supply, adequate furniture like table, chairs, electric fittings, etc. Sufficient Necessary inventory articles should be there sufficient number i.e. at least 10-12 sets of all items needed for the practice of nursing procedure by the students.

- (b) **Community Practice Laboratory:** It should have all required articles needed for practicing nursing procedures in a community set-up.

- (c) **Nutrition Laboratory:** It should have facilities for imparting basic knowledge about food and to practice the cooking for the healthy as well as for the sick. The furnishing and equipments should include work-tables, cooking stoves, gas connection/fittings, wash-basins with running water-supply, cutlery, trays, plates, dietetic scales, cooking utensils, racks/shelves, refrigerator, pressure cooker, mixie and cupboards for storage of food items. The food items shall be purchased for the conduct of practical classes as and when required. Sets of crockery and cutlery for preparation, serving and display of food also should be there.
- (d) **Computer Laboratory:** It can be shared with other departments.
- (e) **OBG & Paediatric Laboratory:** I should have dummies dolls, equipments & articles as mentioned in laboratory equipments and articles.
- (f) **Pre Clinical Sciences Laboratory:** It should have equipments and articles as mentioned in laboratory equipments and articles.

3. **Auditorium:** Auditorium should be spacious enough to accommodate at least double the sanctioned/actual strength of students, so that it can be utilised for hosting functions of the school, educational conferences/workshops, examinations etc. It should have proper stage with green room facilities. It should be well-ventilated and have proper lighting system. There should be arrangements for the use of all kinds of basic and advanced audio-visual aids.

4. **Multipurpose Hall:** It should have multipurpose hall, if there is no auditorium in the school.

5. **Library:** There should be a separate library in the school. It should be easily accessible to the teaching faculty and the students.

It should have comfortable seating arrangements for half of the total strength of the students and teachers in the school.

There should be separate budget for the library. The library committee should meet regularly for keeping the library updated with current books, journals and other literature.

The library should have proper lighting facilities and it should be well-ventilated. It should have a cabin for librarian with intercom phone facility.

There should be sufficient number of cupboards, book shelves and racks with glass doors for proper and safe storage of books, magazines, journals, newspapers and

other literature. There should be provision for catalogue-cabinets, book display racks, bulletin boards and stationery items like index cards, borrowers cards, labels and registers. Current books, magazines, journals, newspaper and other literature should be available in the library.

A minimum of 500 nursing books (all new editions), 3 kinds of nursing journals, 3 kinds of magazines, 2 kinds of newspapers and other kinds of current health related literature should be available in the library.

6. **Offices requirements**

- (a) **Principal's Office:** There should be a separate office for the Principal with attached toilet and provision for visitor's room. Independent telephone facility is a must for the Principal's office with intercom facility connected/linked to the hospital and hostel.
- (b) **Office for Vice-Principal:** There should be a separate office for the Vice-Principal with attached toilet and provision for visitor's room. Independent telephone facility is a must for Vice-principal's office with intercom facility connected/linked to the hospital and hostel.
- (c) **Office for Faculty Members:** There should be adequate number of office rooms in proportion to the number of teaching faculty. One office room should accommodate 2 teachers only. Separate toilet facility should be provided for the teaching faculty with hand washing facility. There should be a separate toilet for male teachers.
- (d) One separate office room for the office staff should be provided with adequate toilet facility. This office should be spacious enough to accommodate the entire office staff with separate cabin for each official. Each office room should be adequately furnished with items like tables, chairs, cupboards, built -in racks and shelves, filing cabinets and book cases. Also there should be provision for typewriters, computers and telephone.

7. **Common Rooms:** A minimum of 3 common rooms should be provided. One for the teaching faculty, one for the student and one for the office staff. Sufficient space with adequate seating arrangements, cupboards, lockers, cabinets, built-in-shelves and racks should be provided in all the common rooms. Toilet and hand washing facilities should be made available in each room.

8. **Record Room:** There should be a separate record room with steel racks, built-in shelves and racks, cupboards and filing cabinets for proper storage of records and other important papers/ documents belonging to the school.

9. **Store Room:** A separate store room should be provided to accommodate the equipments and other inventory articles which are required in the laboratories of the school. This room should have the facilities for proper and safe storage of these articles and equipments like cupboards, built-in-shelves, racks, cabinets, furniture items like tables and chairs. This room should be properly lighted and well-ventilated

10. **Room for Audio-Visual Aids:** This room should be provided for the proper and safe storage of all the Audio- Visual Aids. The School should possess all kind of basic as well as advanced training aids like chalk boards, overhead projectors, slide and film – strip projector, models specimen, charts and posters, T.V & V.C. R, Photostat machine, tape recorder and computers.

11. **Other Facilities** safe drinking water and adequate sanitary/toilet facilities should be available for both men and women separately in the school. Toilet facility to the students should be in the ratio of 1 : 25 students is to be made available for students along with hand washing facility. There should be a separate toilet for men.

12. **Garage:** Garage should accommodate a 50 seater vehicle.

13. **Fire Extinguisher:** Adequate provision for extinguishing fire should be available as per the local bye-laws.

14. **Playground:** Playground should be spacious for outdoor sports like Volleyball, football, badminton and for Athletics.

CLINICAL FACILITIES

School of nursing should have a 120-150 bedded Parent/Affiliated Hospital for 40 annual intake in each programme:

i. Distribution of beds in different areas

Medical	30
Surgical	30
Obst. & Gynaecology	30
Pediatrics	20
Ortho	10

- ii. Bed Occupancy of the Hospital should be minimum 75%.
- iii. The size of the Hospital/Nursing Home for affiliation should not be less than 50 beds.
- iv. Other Specialities/Facilities for clinical experience required are as follows:
 - Major OT
 - Minor OT
 - Dental
 - Eye/ENT
 - Burns and Plastic
 - Neonatology with Nursery
 - Communicable disease
 - Community Health Nursing
 - Cardiology
 - Oncology
 - Neurology/Neuro-surgery
 - Nephrology etc.
 - ICU/ICCU
- v. Affiliation of psychiatric hospital should be of minimum 30-50 beds.
- vi. The Nursing Staffing norms in the affiliated Hospital should be as per the INC norms.
- vii. The affiliated Hospital should give student status to the candidates of the nursing programme.
- viii. Affiliated hospitals should be in the radius of 15-30 kms.
- ix. 1 : 3 student patient ratio to be maintained.

If the institution is having both GNM and B.Sc(N) programme, it would require 240 bedded parent/affiliated hospital for 40 annual intake in each programme to maintain 1 : 3 student patient ratio.

- 4. There should be a variety of patients of all age groups in all the clinical areas where the students are posted for obtaining the requisite learning experiences.

Affiliation

If all the required learning experience are not available in the parent hospital, the students should be sent to affiliated hospitals/agencies/Institutions where it is available.

Criteria for Affiliation

The types of experience for which a nursing school can affiliate are :

- Community Health Nursing
- Communicable diseases
- Mental Health (Psychiatric) Nursing
- Specialties like Cardiology, Neurology, Oncology Nephrology etc.

The Physical facilities staffing and equipment of the affiliated hospitals should be of the same standard as required in the parent hospital.

The staff of the selected hospital should be prepared to recognize student status and their educational programme.

Distribution of Beds

At least one third of the total number of beds should be for medical patients and one third for surgical patients. The number of beds for male patients should not be less than $1/6^{\text{th}}$ of the total number of beds i.e. at least 40 beds. There should be minimum of 750 deliveries per year (for annual admission capacity of 20 students) Provision should be made for clinics in health and family welfare and for preventive medicine.

Staffing

1. Chief Nursing Officer (C.N.O) – for 500 Beds and above. (Qualification as for Principle, SON).
2. Nursing Superintendent (N.S)-1 (Qualification as for Principle, SON).
3. Deputy Nursing Superintendent (D.N.S.)-1 (qualification as for vice-principle, SON).
4. Assistant Nursing Superintendent (A.N.S.) – 2 and for every additional 50 beds one more (qualification as for vice- Principle, SON).

NORMS RECOMMENDED BY EXPERTS COMMITTEE ON HEALTH
MANPOWER PRODUCTION AND MANAGEMENT (RESOLUTION OF
FOURTH CONFERENCE OF CENTRAL COUNCIL OF HEALTH AND FAMILY
WELFARE, ON NURSING, 1995).

CATEGORIES	REQUIREMENTS
1. Nursing Superintendent	1:200 beds
2. Dy. Nursing Superintendent	1:300 beds
3. Departmental Nursing supervisors/ Nursing Sisters	7:1000 (Plus one for every additional 100 beds)
4. Ward Nursing Supervisors/Sisters	8:200+30% leave reserve
5. Staff nurse for wards	1:3 (or 1: 9 each shift) + 30% leave reserve
6. For OPD, blood Bank, X-ray Diabetic clinic CSR etc.	1: 100 OPD Patients (1 bed:5 OPD Patients) + 30 % leave reserve
7. For Intensive Care Unit (8 beds ICU for 200 beds)	1: 1 (or 1:3) for each shift) + 30% leave reserve)
8. For specialized departments and clinic such as OT, Labour room.	8: 200 + 30% leave reserve

Justifications

- Needs may vary from one hospital to another, Depending on its size and service rendered, more staff than anticipated will be required.
- Special attention is needed for supervision of patient care in the evening and night shifts.
- 30% leave reserve posts are mandatory.

Other point to be considered

- The staff of the parent hospital should be strictly as per the criteria laid down by INC in terms of doctors, nurses and paramedical staff.
- Wards/Areas/OPDs/OTs/Clinical departments etc. must have adequate coverage of the staff in all the shifts to ensure that students are only for attending clinical experience in these areas and not utilized for service purposes.

- c. Continuing /in-service education programme must be attended by all staff nurses to keep themselves abreast with latest technologies and sophistication used in day to day patient care in these areas.

Community Health Nursing Field Practice Area

The students should be sent for community health nursing experience in urban as well as rural field area. Institute can be attached to primary health centre. A well set-up field teaching centre should be provided with facilities for accommodation of at least 10-15 students and one staff member at a time. Peon, cook and chowkidar should be available at health centre. Each school of Nursing should have its own transport facilities and it must be under direct control of the Principal. The security of staff and students should be ensured.

Hostel Facilities

There should be a separate hostel for the male and female students. It should have the following facilities.

1. **Hostel Room:** It should be ideal for 2 students. The furniture provided should include a cot, a table, a chair, a book rack, a cupboard and a cloth rack for each student.
2. **Toilet and Bathroom:** Toilet and bathroom facilities should be provided on each floor of the students hostel at the rate of one toilet and one bathroom for 2-6 students. Geysers in bathroom and wash basins should also be provided.
3. **Recreation:** There should be facilities for indoor and outdoor games. There should be provision for T.V., radio and video cassette player.
4. **Visitor's Room:** There should be a visitor room in the hostel with comfortable seating, lighting and toilet facilities.
5. **Kitchen & Dinning Hall:** There should be a hygienic kitchen and dinning hall to seat at least 80% of the total students strength at one time with adequate tables, chairs, water coolers, refrigerators and heating facilities. Hand washing facilities must be provided.
6. **Pantry:** One pantry on each floor should be provided. It should have water cooler and heating arrangements.

7. **Washing & Ironing Room:** Facility for drying and ironing clothes should be provided in each floor.
8. **Sick Room:** A sick room should have a comfortable bed, linen, furniture and attached toilet. Minimum of 5 beds should be provided.
9. **Room for Night Duty Nurses:** Should be in a quiet area.
10. **Guest Room:** A guest room should be made available.
11. **Warden's Room:** Warden should be provided with a separate office room besides her residential accommodation.
12. **Canteen:** There should be provision for a canteen for the students, their guests, and all other staff members.
13. **Transport:** School should have separate transport facility under the control of the Principal. 25 and 50 seats bus is preferable.

Residential Accommodation.

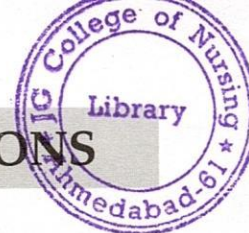
Residential family accommodation for faculty, should be provided, according to their marital status. Telephone facility for the Principal at her residence must be provided. Residential accommodation with all facilities is to be provided to the Hostel Warden.

Creche

There should be a crèche in the school campus.

Staff for the Hostel

1. Warden (Female) - 3 : Qualification - B.Sc. Home Science or Diploma in House keeping/ Catering. Minimum three wardens must be there in every hostel for morning, evening and night shifts. If number of students is more than 150, one more warden/ Asst. Warden/ House keeper for every additional 50 students.
2. Cook-1: For every 20 students for each shift.
3. Kitchen & Dining Room helper-1 : For every 20 students for each shift.
4. Sweeper-3
5. Gardener-2
6. Security Guard/ Chowkidar-3



ADMISSION TERMS AND CONDITIONS

1. Minimum age for admission will be 17 years. (as on 31st December of that year)
The upper age limit is 35 yrs. For ANM/ for LHV, there is no age bar.
2. Minimum education; 10+2 class passed or its equivalent preferably with Science (Physics, Chemistry and Biology) subjects with aggregate of 40% marks.
3. Those who have cleared 10+2 vocational ANM course from the school recognized by Indian Nursing Council.
4. ANM training i.e. 10+1¹/₂ years training should also have passed +2 or its equivalent examination.
5. 5% relaxation is permitted to SC/ST students.
6. Admission of students shall be once in a year.
7. Students shall be medically fit.
8. In addition to the above, admission procedure can be laid down by concerned State Nursing Council /Nursing Examination Boards (S.I.B.E, M.I.B.E, C.M.A.I.).

Admission /Selection Committee

This committee should comprise of:

- | | |
|---|-------------|
| - Principal | Chairperson |
| - Vice-Principal | |
| - Senior Tutor | |
| - Chief Nursing Officer or Nursing superintendent | |

ADMISSION STRENGTH

1. INC will not permit more than 60 students per batch.
2. More than 60 students can be sanctioned (maximum 100) if the institution has a parent-medical college or parent hospital having more than 300 beds.

Health Services

There should be provisions for the following health services for the students.

- (a) An annual medical examination.

- (b) Vaccination against Tetanus, hepatitis B or any other communicable disease as considered necessary.
- (c) Free medical care during illness.
- (d) A complete health record should be kept in respect of each individual student. The question of continuing the training of a student, with long term chronic illness, will be decided by the individual school.

Vacation and Holidays.

Annual Vacation : 30 days
Sick Leave : 10 per annum
Preparatory Leave : 7 days per annum
Sick leave cannot be accumulated from year to year.

TRAINING PROGRAMME

Diploma in General Nursing and Midwifery

Duration of the Course

The Diploma course in General Nursing and Midwifery shall be of three years and six months duration.

There should be a preliminary period of 12 weeks. During this time the student will attend the wards for observation and supervised practice not exceeding 16 hours per week.

Year-wise distribution of weeks, days and hours of the course

Maximum hours per week per student shall be 36 to 40 including class room instructions and clinical field practice.

I st	Year	46	weeks	1656	Hours
II nd	Year	46	weeks	1656	Hours
III rd	Year	46	weeks	1656	Hours

Note : Out of 52 weeks in one academic year, total of 6 weeks are deducted. 4 weeks vacation, one week preparatory leave and one week for examinations. Sundays and gazetted holidays are to be considered as holidays.

COURSES OF INSTRUCTIONS AND SUPERVISED PRACTICE

FIRST YEAR

Subjects	Theoretical and Practical Hours
1. Biological Science	120
(i) Anatomy & Physiology	90
(ii) Microbiology	30
II. Behavioural Science	60
(i) Psychology	40
(ii) Sociology	20
III. Fundamentals of Nursing	215
(i) Fundamentals of Nursing	175
(ii) First Aid	20
(iii) Personal Hygiene	20
IV. Community Health Nursing	150
(i) Community Health Nursing I	80
(ii) Environmental Hygiene	20
(iii) Health Education & Communication skills	20
(iv) Nutrition	30
V. English	30
Total Hours of First year	575

SECOND YEAR

Subjects	Hours
I. Medical Surgical Nursing I (including Pharmacology)	140
II. Medical Surgical Nursing II (Specialities)	120
III. Mental Health & Psychiatric Nursing	70
IV Computer Education	30
Total hours of Second Year	360

THIRD YEAR

Subjects	Hours
I. Midwifery and Gynaecology	120
II. Community Health Nursing II	100
III. Paediatric Nursing	70
Total hours of Third Year	290

INTERNSHIP PERIOD

Subjects	Hours
I Educational Methods & Media for teaching in practice of Nursing	45
II. Introduction to Research	40
III. Professional Trends & Adjustment	40
IV Administration and Ward Management	45
V Health Economics	20
Total hours of Internship	190

SUPERVISION OF STUDENTS IN THE CLINICAL AREAS

The students posted in the clinical areas should be accompanied by teaching faculty of the school.

The same practice must followed when students are posted for requisite clinical experience to affiliated Hospital/ Agency/Institution. Qualified ANM candidates shall also undergo midwifery programme.

The Nursing Service Personnel must actively participate in supervising, guiding and evaluating students in the hospital wards, health centers and in the community.

Page of table is separate

Records

Following are the minimum records which needs to be / should be maintained in the school

a) For Students

1. Admission record
2. Health record.
3. Class Attendance record.
4. Clinical and Field Experience record
5. Internal assessment record for both theory and practical
6. Mark Lists (State Council/Board Results).
7. Record of extra curricular activities of Student (both in the School as well as outside).
8. Leave record.
9. Practical Record Books – Procedure Book and Midwifery Record book to be maintained as prescribed by INC.
10. Cumulative Record.

b) For each academic year, for each class/batch

1. Course contents record (for each subject).
2. The record of the academic performance.
3. Rotation plans for each academic year.
4. Record of committee meetings.
5. Record of the stock of the school
6. Affiliation record.
7. Grant-in-aid record (if the school is receiving grant-in-aid from any source like state Govt. etc).

Record of educational programmes organized for teaching faculty and student, both in the school as well as outside.

Annual reports (Record of the achievement of the school prepared annually).

School of Nursing should possess detailed and up-to-date record of each activity carried out in the school.

CLINICAL EXPERIENCE

Students should be assigned for observing and practicing what they are learning under supervision in the clinical area. Minimum Clinical field Experience required and its suggested placement is as follows :

DISTRIBUTION OF CLINICAL EXPERIENCE

Year	First Year		Second Year		Third Year		Internship		Total of 3 years 6 months	
Clinical Area	Hrs.	Wks.	Hrs.	Wks.	Hrs.	Wks.	Hrs.	Wks.	Hrs.	Wks.
Nursing Science	612	17	-	-	-	-	-	-	612	17
Medical Health Nursing I & II	-	-	828	23	-	-	252	6	1080	29
Community Health Nursing	288	8	72	2	216	6	168	4	744	20
Psychiatric Nursing	-	-	216	6	-	-	126	3	342	9
Paediatric Nursing	-	-	-	-	288	8	126	3	414	11
Midwifery & Gynecological Nursing	-	-	-	-	756	21	168	4	924	25
Intern's Area of Interest	-	-	-	-	-	-	84	2	84	2
Night duty experience for Interns	-	-	-	-	-	-	-	2	-	2
Total	900	25	1116	31	1260	35	924	24	4200	115

NOTE :

1. Student of first year shall be posted in general Medical, Surgical ward for developing skills in basic nursing experience and it shall not be applicable for developing specialized skills in these areas.
2. Community Health experience in 2nd Year (2 Weeks). Community Health Nursing experience has been prescribed for 2 Year in order to give desired learning Experiences and to keep continuity. The concepts of Medical surgical and psychiatric nursing can also be applied to Community Health Nursing Experience.
3. No night duty experience in the first year. Only 8 weeks of night duty experience is to be given throughout the training period.
4. The extra hours which have not been accounted for in this syllabus can be planned and utilized by individual Schools as per their need.

EVALUATION

INTERNAL ASSESSMENT

1. There shall be 25% Internal assessment for all theory papers and 50% Internal assessment for all the practical.
2. A regular and periodic assessment for each subject and clinical/ field experience is to be carried out.
3. For the purpose of internal assessment there shall be written test in each subject taken by the respective teacher each month

The student shall be required to maintain the Practical record book and report of observation visits and diary for assessment must also be used. Marks shall be allotted for each of the following:

- a) Case study
 - b) Case presentation
 - c) Nursing care plan
 - d) Maintenance of record books (Procedure Book and Midwifery Record book).
 - e) Daily diary.
 - f) Areawise clinical assessment is to be carried out. Minimum two assessments are required in each clinical area.
4. Regular record of theory and practical is to be maintained. Task oriented assessment is to be undertaken. Assessment shall be minted by teacher for each student each month. This can be checked by the Council/Board. Principal to sign all the records of examination. It should be displayed on the notice board for the information of the students.
 5. A Candidate must secure 50% marks in internal assessment separately in each theory and practical. To be successful a student must get 50% marks in the internal as well as Council or Board Examination of each year
 6. For a student who appears for any supplementary examination her/his fresh internal assessment in the failed subject (s)/ practical(s) is to be sent to the Council/Board.

7. State Nursing Council/Board should prepare a model perform for performance evaluation for each of the clinical area and circulate to all; Schools of Nursing for maintaining uniformity.

Each student is required to maintain the record of following assignment in clinical areas in each year :

First Year

- (a) Nursing Care plan — 4 in medical/ surgical wards.
- (b) Daily Diary
- (c) Health – Talk — 1 each in urban and rural community field.
 - Family Study including — 1 each in urban and rural community field.
 - Health assessment of an — 1 each in urban and rural community field.
 - Individual in the family
 - Community profile — 1 each in urban and rural Community field.

Second Year

(a) Medical Ward

- Nursing Care Plan — 2
- Case Study — 1
- Case Presentation — 1
- Drug Study — 1

(b) Surgical Ward

- Nursing Care Plan — 2
- Case Study — 1
- Case Presentation — 1
- Drug Study — 1

(c) Psychiatry Ward

- Nursing Care Plan — 1
- Case Study — 1

Case Presentation	— 1
Drug Study	— 1
Process Recording	— 2
Mental Status examination	— 4

Third Year

(a) *Paediatric Ward*

Nursing Care Plan	— 2
Case Study	— 1
Case Presentation	— 1
Drug Study	— 1
Observation Report (New born)	— 2

(b) *Maternity and Gynaecology ward.*

Nursing Care Plan	— 2 +1
Case Study	— 1+1
Case Presentation	— 1+1
Drug Study	— 1+1

(c) *Daily diary* Urban & Rural Community field

Health Talk	— 2 each
Family Health Nursing care Plan	— 2 each
Group Project	— 1 each

In addition to above, each student shall maintain a procedure book and midwifery case book signed by concerned/supervisor and Principle which is to be presented to examiner each year.

The above assignments are to be evaluated by concerned teachers for the purpose of internal assessment and shall be presented to the external examiner in a compiled form and it should be duly signed by her and should be stamped as cancelled after practical examination.

Scheme of Examination:**A-Examination:****First Year**

Paper	Subject	Total Marks	Internal Assessment	Council Board examination	Duration of Examination (hrs)
I.	BIO-SCIENCE Anatomy & Physiology Microbiology	100	25	75	3
II	BEHAVIOURAL SCIENCE Psychology Sociology	100	25	75	3
III	Fundamentals Of Nursing Fundamental of Nursing First Aid Personal Hygiene	100	25	75	3
IV.	Community health Nursing-I Community Health Nursing Environment Hygiene Health Education and Communication skills Nutrition	100	25	75	3

PRACTICAL –I

Fundamentals of Nursing	100	50	50
-------------------------	-----	----	----

Second Year

Paper	Subject	Total Marks	Internal Assessment	Council Board examination	Duration of Examination (hrs)
1.	Medical Surgical Nursing I (Pharmacology)	100	25	75	3
2.	Medical Surgical Nursing II (Specialties)	100	25	75	3
3.	Mental Health & Psychiatric Nursing	100	25	75	3

PRACTICAL-I

Medical Surgical Nursing	100	50	50	3
--------------------------	-----	----	----	---

PRACTICAL-II

Psychiatric Nursing 100 (Only school examination, no Council/Board exam)

Practical Examination for Psychiatric Nursing is to be conducted at the place of clinical experience at the end of clinical instruction by school itself and shall be sent to the Council/ Board.

Third year

Paper	Subject	Total Marks	Internal Assessment	Council Board examination	Duration of Examination (hrs)
I.	Midwifery and Gynaecology	100	25	75	3hrs
II.	Paediatric Nursing	100	25	75	3hrs
III.	Community Health Nursing-II	100	25	75	3hrs

PRACTICAL-I

Midwifery	100	50	50
-----------	-----	----	----

PRACTICAL-II

Paediatric Nursing	100	50	50
--------------------	-----	----	----

PRACTICAL-III

Community Health Nursing II	100	50	50
-----------------------------	-----	----	----

EXAMINATIONS FOR ANMs/ LHV's/ FHWs

These candidates will appear for all the examinations in theory and practical as per the scheme of examination for other candidates.

B. Eligibility for Admission to Examination

A candidates shall be eligible for the admission to the state Council/ Board examination if the Principle of the school certificate that:

- (a) She/he has completed not less than eleven month of the course
- (b) She/ he have attended 75% of the formal instructions given on each subject and 75% of the clinical field experience in each area/subject separately during the academic year, however, the total clinical/field experience prescribed must be completed before the final council / Board examinations and before the issue of diploma.

(The diploma shall not be awarded to the student till she/he has completed the clinical/ field requirements.

- (c) The overall performance of the student and her/his conduct during the entire academic year has been satisfactory.
- (d) The student has passed in the internal assessment in each subject and practical(s)
- (e) The record of practical experience is complete.

(The principle shall send to the Council/ board the internal assessment for each subject, i.e. both theory and practical (S) before the start of the examination along with the examination form).

C. SUPPLEMENTARY EXAMINATION

The Council shall conduct supplementary examination within six month of the annual examination;

- (a) If a student fails in one theory paper / practical, she /he may be allowed to proceed to the next year of study, She/he will sit for a supplementary examination held subsequently in the failed subject/practical. If she /he fails to clear supplementary examination she/he shall be allowed to sit again along with her next year annual examination.
- (b) If a student fails in two or more papers or practical she/he will not be allowed to proceed to the next year. She/He shall sit for supplementary examination in the failed subjects/ practicals only but shall be eligible for the next year's examination after one academic year from the date of passing the last examination.

- (c) No candidate of category (A) shall be allowed to proceed to third year (higher class), unless she/he has passed in the subjects of the previous year (backlog to the second year).
- (d) If a student fails in one theory paper/practical examination of third year, she/he may be allowed to proceed for internship. She/he will sit for supplementary examination held subsequently in the failed subject/practical.
- (e) If a student fails in two or more paper/ practicals she /he will not be allowed to proceed for internship. She/he shall sit for supplementary examination in the failed subjects/ practicals only. A student shall not be allowed to proceed for internship till he /she clears third year examination.

D. GRADING OF EXAMINATION

Examination shall be graded on aggregate marks of the entire three and half years of the training programme, as follows:

Distinction	—	80% and above
First Division	—	70% to 79%
Second Division	—	60% to 69%
Pass	—	50% to 59%

E. THEORY EXAMINATION

1. Nursing teacher with minimum five years of teaching experience (recent) in a particular subject may be appointed as paper setters and examiners for that particular subject only.
2. Question paper should have a combination of essay, short answer and objective type question (Situation based Questions)
3. All units of a subject and sub-subject should be given due weightage in accordance with the instructional hours prescribed.

F. PRACTICAL EXAMINATION

1. Practical examination is to be conducted in the respective clinical area.
2. Nursing teacher with minimum of five years of teaching/ clinical teaching experience (Recent) in a particular subject/clinical area may be appointed as practical examiner.
3. Not more than 10 to 15 student are to be examined in a day.
4. Internal and external examiner shall jointly evaluate each candidate for practical examination.

INTERNSHIP PERIOD

GENERAL OBJECTIVES

Upon completion of the internship period the student shall be able to:

1. Demonstrate skills in the discharge of professional responsibilities independently and effectively.
2. Demonstrate beginning skills in teaching patients/ clients in health care setting and nursing student in clinical settings in an effective manner.
3. Demonstrate beginning skills in administration and management of nursing units, health clinics health centers.
4. Assist/participate in research activities of the institution /organization in various health care setting.
5. Identify and appreciate the needs for continuing and in-service education in practice of nursing.

Details of Internship period

Total Duration	-	26 week/6 Months
Vacation	-	1 week
Examination	-	1 week

For the remaining 24 weeks students will be posted in different clinical areas and also undergo formal class room instruction.

Total working hours of each day	-	8
Hours per week	-	$8 \times 6 = 48$
Total hours of Internship period	-	$48 \times 24 = 1152$
Total hours of theory instruction	-	190
Total hours of clinical posting	-	$1152 - 190 = 962$

Student shall attend one hour class daily and 7 hours for clinical experience or one day for theory and five days for clinical experience shall be planned by institutes as per their suitability which shall come to 40 hours per week clinical and 8 hours for theory.

BREAK UP OF CLINICAL EXPERIENCE

1. Medical Nursing	-	3 wks.
2. Surgical Nursing	-	3 wks.
3. Paediatric Nursing	-	3 wks.
4. Psychiatric Nursing	-	3 wks.

5. Community Health Nursing	–	4 wks.
6. Midwifery	–	4 wks.
7. Student's area of interest	–	2 wks.
8. 2 weeks of night clinical experience is to be given during this period with night supervisor.	–	2 wks.
Total	–	24 wks.

Scheme of Evaluation – Internship Period (School Exam.)

Theory Examination

Subject	Assessment of six Month period	School examination	Total marks
1. Educational methods & Media for teaching in Practice of Nursing and Research in nursing	50	50	100
2. Professional Trends and adjustment & Administration and ward Management & Health Economics.	50	50	100
Total	100	100	200

Practical Evaluation : School Assessment

	Marks
Medical Surgical Nursing	20
Paediatric Nursing	20
Community Health Nursing	20
Midwifery	20
Psychiatry	20
Total	100

Practical Examination at the end of the six month is to be conducted by the school at its own level to assess clinical skills ward management and professional trends. Marks are to be submitted to the council for addition in the overall result.

Diploma by the Council/board will be issued only after successful completion of the Internship period.

CURRICULUM

ANATOMY AND PHYSIOLOGY

Hrs. 90

Course Description

This course is designed to help students gain knowledge of the structure and function of the human body and recognize any deviation from normal health in order to render effective nursing services.

General Objectives

Upon completion of this course, the student will be able to:

1. Describe in general the structure and functions of the human body
2. Describe in detail the structure and functions of the different organs and systems in the human body.
3. Apply the anatomical and physiological principles in the practice of nursing.

Course Content

Unit I Introduction to anatomical terms

Unit II Organization of body cells, tissues, organs, systems. Membranes and glands

Unit III Skeletal System

- Bones: types, Structure, Function
- Axial Skeleton.
- Appendicular Skeleton
- Joints: classification, Structure and function.

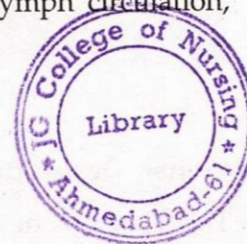
Unit IV Muscular System

- Type, structure and functions.
- Position and action of chief muscles of the body.

Unit V Cardio -Vascular System

- Blood: Composition, clotting and blood group, cross matching. Blood products and their use.
- Heart: Position, Structure, conduction system, Function and cardiac cycle.
- Blood Vessels: Structural differences and position of chief vessels
- Circulation of Blood : Systemic, Pulmonary and portal Circulation
- Blood Pressure and pulse

- Lymphatic system: Lymph vessels, glands, ducts and lymph circulation, lymph tissues in the body, spleen.



Unit VI Respiratory System

- Structure and functions of respiratory organs
- Physiology of respiration.
- Characteristics of normal respiration and its deviations.

Unit VII Digestive System

- Structure and function of organs of digestion and accessory organs
- Process of digestion and absorption.
- Metabolism: meaning and metabolism of food constituents.

Unit VIII Excretory System

- Structure and functions of organs of urinary system
- Structure and functions of the skin
- Regulation of body temperature.
- Fluid and electrolyte balance.

Unit IX Nervous System

- Type, structure and functions of neuron.
- Central Nervous System: Structure and functions.
- Autonomic Nervous System: Structure and functions.

Unit X Endocrine System

- Structure and functions of pituitary, pancreas, thyroid parathyroid, thymus and supra renal glands.

Unit XI Sense Organs

- Structure and functions of eye, ear, nose and tongue.
- Physiology of vision, hearing and equilibrium.

Unit XII Reproductive system

- Structure and functions of reproductive and accessory organs.
- Process of reproduction, menstrual cycle and menopause
- Reproductive health
- Structure and functions of male reproductive system.

Note: Whenever possible related clinical application should be included in each unit.

Course Description

This course is designed to help students gain knowledge and understanding of the characteristics and activities of micro- organisms, how they react under different conditions and how they cause different disorders and diseases. Knowledge of these principle will enable student to understand and adopt practices associated with preventive and promotive health care.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe the classifications and characteristics
2. List the common disease producing micro – organisms and their Characteristics.
3. Explain the activities of micro – organism in relation to the environment and the human body.
4. Enumerate the basic principle of control and destruction of micro-organisms.
5. Apply the principle of microbiology in nursing practice.

Course content

Unit I Introduction

- Brief historical review of bacteriology and microbiology.
- Scope and usefulness of knowledge of microbiology in nursing.

Unit II Micro – Organisms

- Classification, structure, size, method and rate of reproduction.
- Factors influencing growth.
- Pathogenic and non- pathogenic organisms.
- Normal flora of the body.
- Common diseases caused by different types of Microorganisms.

Unit III Infection and its transmission

- Sources of infection.
- Growth of microbes.
- Portals of entry and exit of microbes.
- Transmission of infection.
- Collection of specimens.

Unit IV Immunity

- Types of immunity.
- Hypersensitivity and autoimmunity.
- Collection of specimens.

Unit V The control and destruction of micro – organisms

- Principle and methods of microbial control.
- Sterilization : dry heat, Moist heat, Chemicals and radiation.
- Disinfection : Physical, natural, gases, chemicals used and preparation of lotions.
- Chemotherapy and antibiotics.
- Medical and surgical asepsis, cross-infection.
- Control of spread of infection.
- Pasteurization.
- Bio-safety and waste management.

Unit VI Introduction to Laboratory techniques

- Microscope: Parts and uses. Handling and care of microscope.
- Introduction of culture media.
- Staining and examination of slides.
- Preparation and examination of smears.

Course Description

This course is designed to help students understand the dynamics of human behaviour and concept of mental health. This will enable them to develop positive attitude and good inter- personal relationships in the practice of nursing in all health care settings.

General Objectives

Upon completion of this course, the students will be able to :

1. Describe the concept of mental health and psychology.
2. Explain the dynamics of human behavior, personality and learning.
3. Discuss the role of adjustment mechanisms and emotions in health and illness.
4. Demonstrate skills in the application of principle of psychology in nursing practice in all kind of health care settings.

Course Content

Unit I Introduction

- Definitions, scope of psychology and its importance in nursing profession.

Unit II Psychology of Human Behaviour

- Dynamics of behavior, motivation and behavioral process of adjustment, adjustments and maladjustments, unconscious behaviour.
- Frustration: sources and nature of frustration, measures to overcome frustration
- Conflicts; types, unconscious conflict, resolution, conflict and nursing.
- Adjustment Mechanism: meaning, types and importance
- Emotions: in health and disease, emotional situations, control of emotions, effect of emotional reactions on health.
- Attitudes: meaning, development, changes in attitude, attitude and nursing.
- Habits: formation, type, effective habit formation, advantages and disadvantage of habit formation.

Unit III Learning

- Nature of learning, laws and types of learning, factors promoting effective learning, memory and forgetfulness.
- Thinking and reasoning.
- Nature and type of thinking
- Problem solving and reasoning.

Unit IV Observation

- Attention and perception, factors affecting attention and observation and errors in perception.

Unit V Intelligence

- Definition, individual differences in intelligence.
- Mental ability and nature of intelligence.
- Measurement of intelligence.
- Development of intelligent behaviour.

Unit VI Personality

- Meaning, Types, factors affecting development of personality.
- Characteristics of various age group: child, adolescent, adult and aged.
- Will and character.

Course Description

This course is designed to help student gain an understanding of sociology in the context of its relevance to nursing practice.

General objectives

Upon completion of this course, the students will be able to:

1. Describe the concept of the family as a social unit and the status of the individual in the family
2. Explain the dynamics of society and identify common social problems.
3. Demonstrate ability to understand the socio-cultural and economic aspects of the community in the light of their effects on health and illness.
4. Utilise the knowledge and understanding of sociology in nursing practice.

Course Content

Unit I Introduction

- Concept, scope nature and importance of sociology in nursing
- The socio-cultural and economic aspects of the community and their effects in health and illness.

Unit II The Individual

- Brief review of human growth and development.
- Effect of environment on childhood, adolescence, Adulthood and old age.
- The right and responsibilities of the individual in a democratic society.

Unit III The Family

- Family as a social institution and basic unit for health service.
- Basic needs of family, its structure and relationships.
- Family life education : pre – marriage, marriage and parenthood.

Unit IV The Society

- Concept

- Group: Types, Structure, inter-group relationship, group cycle, group behaviour and group morale.
- Social changes, social control, social stratification.
- Rural and urban society.
- Social problems: unmarried mothers, dowry system, prostitution, drug addiction, alcoholism, delinquency, handicapped, child abuse, women abuse.
- Social agencies and remedial measures.

Unit V The Community

- Definition, characteristics and culture.

Unit VI Economy

- Resources of the country: natural, occupational agricultural, industrial etc.
- Social Security
- Population explosion: Its effect on economy and the need for population control.
- Budgeting for a family, per capita income and its impact on health and illness.

FUNDAMENTALS OF NURSING

Hrs. 175

Course Description

This course is designed to help students develop an ability to meet the basic health need of the patients with regard to nursing care and develop skill in the competencies required for rendering effective patient care.

General Objectives

Upon completion of this course, the student will be able to :

1. Describe the physical mental and social adjustment required of a sick individual and his family.
2. Carry out basic nursing techniques and care with the application of sound scientific principle.
3. Explain the concept of comprehensive nursing care
4. Develop skills in assessment, planning, implementation and evaluation of the nursing care rendered to the patients.
5. Communicate effectively and establish good interpersonal relationship with the patients, their relatives and other health team members.
6. demonstrate skills in observation, recording and reporting
7. Recognise and utilize opportunities for planning and implementing need based health teaching programme (s) for individuals, groups, families and communities.

Course Content

Unit I Introduction to nursing

- Nursing: definition, meaning, Nature, scope, principles and history of nursing.
- Nurse: definition and meaning, preparation of a nurse qualities- personal, professional.
- Ethics in nursing, Role and responsibilities of a nurse.
- Health care agencies : Hospital and community, Types of Hospitals and their functions.

- Holistic approach to nursing
- Comprehensive nursing care.

Unit II • Nursing care of the patient/Client

- Introduction to the sick and well.
- Determinants of health status.
- Patient/ Client: as an individual, member of the family, society, effects of illness and hospitalization on patient and his family.
- Admission procedure, reception of patient, care of patient's belongings.
- **Bed and Bed Making**
- Principle of bed-making, factor to be considered in selecting and making bed, different types of beds and their uses.
- **Maintenance of therapeutic environment**
- Temperature, light, noise and humidity.
- **Psycho Social Environment**
- Meaning and its importance, aesthetic consideration in the environment, colour scheme, beauty and flower arrangements.
- **Nursing Process and Nursing Care Plan**
- Meaning, importance and steps in development.
- **Recording and Reporting**
- Importance, types and nurses' responsibilities.
- **Discharging a patient**
- Preparation of the patient physically and mentally, discharge procedure, hospital policies, preparation of the patient's relatives for discharge.
- Follow up and Rehabilitation revisit, treatment compliance and referral.

Unit III Basic Nursing Care and Needs of the Patient

- **Hygienic Needs and Physical needs**
- Importance of maintaining good personal and environmental hygiene in health and disease.
- Nurse's role in maintaining good personal and environmental hygiene.

Care of Skin and Mucous Membrane

- Bed bath, care of hair, eyes, nose, ears, teeth, genitals, hands and feet.

Nutritional needs

- Importance of diet in health and disease, factors affecting the normal nutrition in sickness, nurse's role in maintaining good nutrition, feeding helpless patients, maintenance of intake and output record.

Elimination needs

- Problem in sickness: constipation and diarrhoea, retention and incontinence of urine.
- Nurse's role in meeting elimination needs.

Safety needs

- Environmental hazards, role of nurses in prevention of health hazards.

Communication needs.

- Interpersonal relationship, cultural/spiritual/religious needs.

Activity and Exercise

- Importance of activity and exercise in health and sickness, active and passive exercise.

Physical comforts

- Comfort: meaning and its importance in health and disease, factors promoting and inhibiting physical comfort, comfort devices and their uses, body mechanics, positions.

Moving, shifting and Lifting of Patient.

- Care of pressure points, bed sores: causes, signs, symptoms, prevention and nursing care.
- Shifting of patient from one side to another, from bed to wheel chair and bed to stretcher.

Unit IV Assessment of Patient/ Client.

- Principles and importance of assessment, methods of assessment: observation, palpation, auscultation, percussion, developing skill in observation.

Physical Assessment

- Height, weight, posture, speech

- Physiological Assessment
- Temperature, pulse, respiration and blood Pressure
- Characteristics of normal and abnormal (T.P.R and B.P.) and factors influencing the variations.
- Urine stool, vomit, sputum, normal and abnormal behaviour and its deviation.

Unit V Therapeutic Nursing Care and Procedures

Asepsis:

- Hand washing, hand scrubbing, use of mask, gown, gloves.
- Disinfection techniques, sterilization techniques.
- Autoclaving, boiling, flaming, ultra violet rays.

Care and sterilization of :

- Lines, bed, mattress, floor, walls, cupboard and other articles.
- Rubber goods, dressings, instruments, needles, syringes enamel articles.
- Barrier Nursing and Isolation.

Care of Respiratory System

- Inhalation: dry inhalation, moist inhalation, jug, Nelson's inhaler, steam tent, electric inhalers, suction oro-nasal
- Collection of specimen of sputum for examination.

Care of Gastro Intestinal Treat

- Preparation and giving of enema: Retention enema, evacuation enema, suppository, passing of flatus tube.

Care of Genito Urinary System

- Perineal care of terminally ill patient and patient with urinary catheter.
- Collection of specimens of urine and stool for routine and culture examination.

Care of Skin and Mucous Membranes.

- Cold application : ice cap, cold packs, use of evaporating lotion.
- Hot application: use of hot water bottle, dry fomentation, moist fomentation, medicated fomentation.

Unit VI Basic Needs and Care in Special Conditions

- Care of patient with fever, unconscious patient, patient with fluid imbalance, patient with dyspnoea.
- Care of terminally ill patient.
- Care of physically handicapped.

Dying patient

- Signs and symptoms of approaching death, needs of the dying patient and his relatives, care of the dying, last offices, packing of dead bodies in non-communicable and communicable diseases.

Unit VII Introduction to Pharmacology

- Concept of pharmacology
- Classification of drugs
- Administration of drugs.
- General action of drugs
- Nursing implications in administration of drugs.

FIRST AID

Hrs. 20

Course Description

This course is designed to help students develop an understanding of community emergencies and be able to render first aid services as and when need arises.

General Objectives

Upon completion of this course, the students will be able to :

1. Describe the rules of first aid.
2. Demonstrate skill in rendering first aid in case of emergencies.

Course Content

Unit I Introduction

- Importance of first aid and rules of first aid.
- Concept of emergency.

Unit II First Aid in Emergency situations

- Fire, burns, fractures, accidents, poisoning, drowning, haemorrhages, insect bites, foreign bodies.
- Transportation of the injured.
- Bandaging and splinting.

Unit III Community Emergencies and Resources

Community Emergencies

- Fire, explosions, floods, earthquakes, famines.
- Immediate and late role of nurses.
- Need for rehabilitation

Community Resources

- Police Assistance
- Voluntary agencies: Local, National and International agencies.
- Ambulance services: Their functions in relation to emergencies.

PERSONAL HYGIENE

Hrs.20

Course Description

This course is designed to help students acquire the concept of health, an understanding of the principles of personal health and its relation to nursing in health and disease.

General Objectives

Upon completion of this course, the students will be able to:

1. Explain the concept of health and hygiene.
2. Enumerate the principles of personal health.
3. Demonstrate skills to apply these principles in effective nursing care of the patients/clients as well as in her own healthy living.

Course Content

Unit I Introduction

- Concept of health and its relation to successful living.

Unit II Maintenance of Health

- Determinants of health, building of good health habits, immunization, correction of defects, maintenance of health records.

Unit III Physical Health

- Care of skin, hair, teeth, eyes, ears, hands and feet, Rest and sleep, exercise, activity, recreation, posture, nutrition, elimination, menstrual hygiene.

Unit IV Mental Health

- Characteristics of mentally healthy person.
- Mental hygiene in intrauterine, infancy, childhood, Adolescence, adulthood and old age.

COMMUNITY HEALTH NURSING-I

Hrs. 80

Course Description

This course is designed to help students gain an understanding of the concept of community health in order to introduce them to the wider horizons of rendering nursing services in a community set-up, both in urban and rural areas.

General objectives

Upon completion of this course, the students will be able to:

1. Describe the concept of health, community health and community health nursing.
2. State the principles of epidemiology and epidemiological methods of community health nursing practice.
3. Explain the various services provided to the community and the role of the nurse.
4. Demonstrate skills to practice effective nursing care of the individuals and families in the clinics as well as in their homes, using scientific principles.

Course Content

Unit I Introduction to Community Health and Community Health Nursing

- Health and disease.
- Community, community health, community health nursing.
- Dimensions of health.
- Health determinants.
- Indicators of health
- Levels of health care.
- Primary health care: Elements and principles, Nurse's role in primary health care.
- Health for all by 2000 A.D.
- Evolution and development of community health nursing in India and its present concept.

- Differences between institutional and community health nursing.
- Community health team functioning
- Philosophy, goals, objectives and principles of community health nursing practice.
- Qualities and functions of a community health nurse.

Unit II Community Health Nursing Process

- Concepts and definition
- Importance of the community health nursing process.
- Steps of the process : Community identification, population composition, health and allied resources, community assessment, planning and conducting community health nursing care services.

Unit III Health Assessment

- Characteristics of healthy individual.
- Identification of deviation from normal health.

Unit IV Principles of Epidemiology and Epidemiological Methods.

- Definition and aims of epidemiology.
- Basic tools of measurement in epidemiology.
- Uses of epidemiology.
- Disease cycle.
- Spectrum of disease.
- Levels of prevention of disease.
- Disease transmission-direct and indirect.
- Immunity
- Immunizing agents and immunization schedule.
- Control of infectious diseases.
- Disinfection.

Unit V Family Health Nursing Care

- Concept, goals, objectives, family as a unit of health, family health care services.
- Family health and nursing care process- Family health assessment, family care plan.

- Family health services- Material, child care and family welfare services.
- Roles and function of a community health nurse in family health services.
- Family health records.

Unit VI. Family Health Care Settings

- **Home Visiting**
 - Purposes
 - Principles
 - Planning and evaluation.
 - Bag technique
- **Clinic**
 - Purposes.
 - Types of clinics and their functions.
 - Setting up of various clinics.
 - Functions of Health personnel in these clinics.

Unit VII Referral Systems

Unit VIII Records and Reports.

- Types of records.
- Uses of records.
- Essential requirements of records.
- Cumulative records.
- Design of cards/records.

Unit IX Minor Ailments

- Classification
- Early detection and management.
- Standing instructions/orders.

ENVIRONMENTAL HYGIENE

Hrs. 20

Course Description

This course is designed to help students acquire the concept of health, understanding of the principles of environmental health and its relation to nursing in health and disease.

General Objectives

Upon completion of this course, the students will be able to :

1. Describe the concept of environmental health.
2. Describe the principles of environmental health.
3. Demonstrate skills to apply these principles in the nursing care of the patients/clients as well as in their own healthy living.
4. Describe the environmental health hazards and health problems of the country and services available to meet these.

Course Content

Unit I Introduction

- Components of environment.
- Importance of environmental health.

Unit II Environmental Factors Contributing to Health

Water

- Safe and wholesome water.
- Uses of water.
- Water pollution
- Water borne diseases.
- Water purification.

Air

- Air pollution
- Prevention and control of air pollution.

Waste

- Refuse.
- Excreta.
- Sewage.
- Health hazards of these wastes.
- Collection, removal and disposal of the wastes.

Housing

- Site.
- Basic amenities.
- Types and standard of ventilation.
- Requirements of good lighting.
- Natural and artificial lighting.

Noise

- Sources of noise.
- Community noise levels.
- Effects of noise.
- Noise control

Arthropods of Public Health Importance

- Mosquitoes, housefly, sand fly, human louse, ratfleas etc.
- Rodents.
- Control measures for these arthropods.

Unit III Community Organization to Promote Environmental Health

- Levels and types of agencies: National, State, Local, Government, Voluntary and Social agencies.

HEALTH EDUCATION AND COMMUNICATION SKILLS

Hrs. 20

Course Description

This course is designed to help students acquire the concept of health education and understanding of the principles underlying health education in order to develop an ability to communicate effectively with the patients, community, health team members and others.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe the concept of health education, communication skills, audio-visual aids and health education agencies.
2. Identify and utilize opportunities for health education planned and incidental.
3. Communicate effectively with others.

Course Content

Unit I Introduction

- Concept, definition, aims and objectives of health education.
- Process of change/modification of health behaviour.
- Opportunities for health education in hospital and community.
- Scope of health education.
- Levels and approaches of health education.
- Principles of health education.
- Nurse's role as health educator.

Unit II Communication Skills

- Definition of communication.
- Purposes of communication.
- Process of communication

- Barriers of communication and establishment of successful communication.
- Types of communication.
- Importance and art of observing and listening in communication.

Unit III Methods and Media of Health Education

- Methods of health education.
- Types of media (A.V. Aids).
- Advantages and limitations of each.
- Preparation and uses of simple aids.

Unit IV Health Education Agencies

- National
- State
- District
- Local.

NUTRITION

Hrs. 30

Course Description

This course is designed to help students understand that nutrition is an integral component of health since nutrients play a vital role in the growth, development and maintenance of the body.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe the principles of nutrition and dietetics and its relationship to the human body in health and disease.
2. Describe the common foods in health and disease.
3. Apply this knowledge in the promotion of health and in the care of the sick.
4. Demonstrate skills in selection, preparation and preservation of food.

Course Content

Unit I Introduction

- Changing concepts –food habits and customs.
- Relationship of nutrition to health.

Unit II Classification of food

A. Classification by origin

- Food of animal origin.
- Food of vegetable origin.

B. Classification by chemical composition and Sources.

- Carbohydrates.
- Proteins
- Fats
- Minerals
- Vitamins.
- Water.

C. Classification by predominant functions.

- Body building food.
- Energy giving food
- Protective food.

D. Classification by nutritive value.

- Cereals and millets.
- Pulses (Legumes).
- Vegetables.
- Nuts and oil seeds
- Fruits
- Animal food.
- Fats and oils
- Sugar and Jaggery.
- Condiments and spices.
- Miscellaneous food

Unit III Normal dietary requirements and deficiency diseases of each of the constituents of food.

- The Calorie
- Nutritive value of food items and their measures used.
- Balanced diet.
- Method of calculating normal food requirements, influence of age, sex and activity.
- Factors affecting selection and planning of meals.
- Budgeting for food.
- Low cost menu.
- Diseases caused by deficiency of protein, fat, carbohydrates, minerals and vitamins.

Unit IV Preparation, Preservation and Storage of Food

- Principles of cooking.

- Methods of food preparation and their effects on food and food constituents, advantages and limitations of each.
- Household methods of preserving and storing food.
- Commercially prepared food and its adulteration.
- Precautions in selection, preparation and storage of food.

Unit V Introduction to Diet Therapy.

- Methods of modifying diet in relation to calorie value, by increasing or decreasing of constituents.
- Diet and the patient
- Environmental, psychological and cultural factors in acceptance of diet by the patient.
- Serving of food.
- Feeding of helpless patients.
- Opportunities for teaching.

Unit VI Community Nutrition

- Concept of community nutrition.
- Nutritional needs for special groups; infants, children, pregnant woman, lactating mothers, old people etc.
- Nutrition education: needs and methods.
- Substitutes for non-vegetarian food.
- Methods of improving an ill-balanced diet.
- Community nutrition programme.
- Food hygiene and laws related to food.

Unit VII Common Preparations/ Practicals

- Beverages: Tea, coffee, barley water, fruit juice, shakes, lassi.
- Egg preparations: Scrambled eggs, egg flip, omlette, poached egg.
- Soups: tomato, bone, vegetable(s), liver etc.
- Light Diets: gruel, khichri, daliya, kanji, boiled vegetables, salads, custards etc. (As per the regional preferences)

Course Description

This course is designed to help students develop an ability to comprehend spoken and written English, so as to communicate effectively in his language.

General Objectives

Upon completion of this course, the students will be able to:

1. Read and write correct English.
2. Communicate effectively in English language.
3. Demonstrate skill in writing and speaking in English language.

Course Content

Unit I Grammar

- The sentence
- Different parts of speech in brief.

Unit II Composition

- Analysis, transformation and syntheses of sentences.
- Correct usage of sentences.
- Reading comprehension-Exercise of prescribed short answers.

Unit III Written Composition

- Paragraph writing
- Story writing
- Comprehension
- Précis writing
- Essay writing

Unit IV Vocabulary

- Conversation
- Speaking skills

MEDICAL SURGICAL NURSING – I

Hrs. 140

Course Description

This course will help students understand the concept of disease and disease process. Students will be able to gain knowledge and develop understanding of various medical, surgical disorders and diseases. They will be able to give comprehensive nursing care to patients with these diseases.

General Objectives.

Upon completion of this course, the students will be able to :

- 1 Describe the causes, symptoms, treatment and prevention of medical surgical diseases.
- 2 Demonstrate skill in carrying out nursing technique and procedures with the application of scientific principles.
- 3 Discuss nursing process and provide nursing care to patients with medical surgical diseases.

Course Content

Unit I Introduction

- Brief history of evolution of modern medicine and surgery and theories of illness and its causation.
- Illness as human experience.
- Nursing process and nursing care plan.

Unit II Nursing Assessment

- Health Assessment
- Physical examination.
- General clinical investigation.

Unit III Patho Physiological Mechanism of Disease

- Inflammation
- Stress adaptation.
- Defence against injury.
- Nutritional consideration.

Unit IV Altered Immune Response

- Review of Normal Immunity. (Review Unit IV of microbiology)
- Altered Immune response, hypersensitivity and allergy.
- Nursing management of Immuno therapy.
- Auto Immune disease.
- Graft versus host disease.

Unit V Clinical Pharmacology

- Terminology
- Drugs and laws.
- Basic clinical pharmacology.
- Sources of drugs, action, side effects, doses of drugs.
- Different pharmacological preparations.
- Administration of medicine to patient.
- Nursing implications of administration of drugs.

Unit VI Nurse's role in Management of Fluid, Electrolyte and Acid Base Balance

- Water content of body.
- Homeostasis.
- Review mechanism of controlling fluid and electrolyte movement.
- Review regulation of fluid and electrolyte.
- Fluid and electrolyte imbalance and their therapeutic management.

Unit VII Management of Patients in Pain

- Concept.
- Assessment
- Types, location.
- Nursing management.
- Analgesic drugs.
- Therapeutic approaches to pain.

Unit VIII Operation Theatre Technique

Physical Environment

- Operation theatre: cleaning of rooms, tables, trolleys, lights and other equipments.
- Pre-operative holding area.

Theatre Technique

- Scrubbing-hand washing
- Gowning.
- Gloving.
- Positioning of patient for various surgical procedures.

Preparation of Theater equipment & supplies

- Cleaning
- Packing
- Sterilization
- Needles, sutures-types and their uses.
- Role of a nurse in care of patient in the theatre.

Unit IX Management of Patient Undergoing Surgery

Assessment of pre-operative patient: physical, psychosocial and physiological aspects

- Nursing management of pre-operative patient.

Intra Operative Management

- Surgical Team.
- Nurse's functions in Operation Theatre.
- Anesthesia: classification, anesthetic agents and role of a nurse in anesthesia.

Post –operative management –Immediate and Routine

- Transferring patient from Operation Theatre.
- Patient in recovery room.
- Recovery from anesthesia.
- Post –operative nursing management.
- Administration of post-operative orders
- Post-operative complications: observation, prevention and management.

Unit X Nursing Management of Patient with Impaired Respiratory Function and Gaseous Exchange.

- Assessment of respiratory functions.
- Management of patient with impaired respiratory functions.
- Respiratory intensive care.

- Management of patients with disorders of upper respiratory tract.
- Management of patients with disorders of the chest and lower respiratory tract.

Unit XI Nursing Management of Patients with Digestive and Gastro-Intestinal Disorders.

- Assessment of hepatic and biliary function.
- Management in hepatic and biliary disorders.
- Assessment of endocrinal function.
- Management of endocrinal disorders.

Unit XIII Nursing Management of Patients with Renal and Urinary Disorders

- Assessment of renal and urinary functions.
- Managements of patients with urinary and renal disorders.
- Renal failure and dialysis.
- Renal transplant.

Unit XIV Nursing Management of Patients with Neurological Disorders

- Assessment of neurological function.
- Management of patient with neurological dysfunction.
- Management of patient with neurological disorders.

Unit XV Nursing Management of Patients with Disorders of Connective Tissue and Collagen Disorders.

- Assessment
- Management of patients with disorders of connective tissue and collagen.

Unit XVI Nursing Management of the Elderly.

- Assessment of elderly.
- Ageing process.
- Helping in promoting wellness and self care.
- Health problems in elderly.

Unit XVII Emergency Management.

- Medical surgical emergencies.
- Nurse's role in emergency conditions.

MEDICAL SURGICAL NURSING – II

Hrs. 120

Course Description

This course will help students understand the concept of diseases and disease process. Students will be able to gain knowledge and develop understanding of various medical surgical specialty disorders and diseases. They will be able to give comprehensive nursing care to patients with these diseases.

General Objectives

Upon completion of this course, the students will be able to;

1. Describe the causes, symptoms, signs, treatment and prevention of diseases classified under medical surgical specialties.
2. Demonstrate skill in carrying out nursing techniques and procedures with the application of scientific principles.
3. Prepare nursing care plan using nursing process and provide care to patients with these diseases.

Course Content

Unit I Oncology Nursing

- Nursing management of patient with abnormal cell growth.
- Assessment.
- Problems and management.
- Classification of Cancer.
- Detection, prevention.
- Treatment modalities.

Nursing management of patient receiving:

- Chemotherapy.
- Radiation.
- Late effects of chemotherapy and radiation.
- Nursing management of patient undergoing radical surgery.
- Bone marrow transplant and its management.

- Nursing management of terminally ill patient.
- Rehabilitation of cancer patients..

Unit II *Nursing Management of Patients with Diseases of male Genito-Urinary Tract*

- Assessment of genito-urinary function
- Disorders of male genito-urinary tract and its management.

Unit III *Nursing Management of Patients with Disorders of Breast*

- Assessment
- Disorders of breast and breast cancer.
- Management of patient undergoing surgery for cancer breast.

Unit IV *Nursing Management of Patients with Diseases and Disorders of Integument System*

- Assessment of skin and its functions.
- Inflammatory and non-inflammatory disorders and diseases and its management.
- Infestations, infectious and non-infectious diseases and their management
- Skin cancer
- Special dermatological therapy.
- Burn and its management.

Unit V *Nursing Management of Patients with ophthalmic Disorders and Diseases*

- Assessment of function of eyes.
- Diseases and disorders of eyes and their management.
- Review national programmes on blindness and trachoma.

Hospital Cornea Retrieval

- Grief counseling, eye collection in hospitals
- Motivation for eye donation.
- Obtaining consent for eye donation.
- Transplantation of human organs bill and eye collection.
- Eye banking in India

Unit VI Nursing Management of Patients with Disorders and diseases of ear, Nose and throat.

- Assessment of the function of ear, nose and Throat.
- Disorders and diseases of the ear, nose and throat.
- Management of disorders and diseases of ear, nose and throat.

Unit VII Nursing Management of Patients with Cardio-Vascular, Circulatory and Hematological Disorders.

- Assessment of cardio-vascular functions.
- Management of patients with cardio-vascular diseases.
- Management of patient in I.C.U. and C.C.U.
- Management of patient with cardio-vascular surgery.
- Assessment and management of circulatory, hematological disorders and problems of peripheral circulation.
- Phlebotomy Procedure in blood donors.
- Sample and request for blood transfusion.
- Safety checks and records for blood transfusion.
- Adverse transfusion reaction and their management.
- Blood bank functioning- Hospital transfusion committee.
- Blood donor care, post donation management, counseling of blood donors.
- Inventory of necessary requirement for the transfusions.

Unit VIII Nursing Management of Patients with Communicable Diseases.

- Assessment.
- Review of infection, how it spreads and its control.
- Preparation, care and administration of antisera and vaccines.
- Isolation – review of epidemiology and control measures.
- Management of various infectious diseases.
- **Diseases caused by:**
 - Virus – Measles, Chicken pox, Influenza, Small pox, Mumps, Encephalitis, Infective Hepatitis, Poliomyelitis, Rabies, AIDS.

- Bacteria – Diphtheria, Whooping Cough, Tetanus, Typhoid, Dysentery, Gastro-enteritis, Cholera, Meningococcal Meningitis, Tuberculosis.
- Zoonosis – Kala-azar, Plague, Relapsing fever.
- Mosquito – Malaria, Filariasis, Yellow fever, Dengue fever.

Unit IX Nursing Management of Patients with Sexually transmitted diseases

- Assessment.
- Sex health and hygiene.
- Gonorrhoea, Syphilis, Granuloma venereum, Chancroid, Granuloma inguinale and AIDS.

Unit X Nursing Management of Patients with Musculo-skeletal Disorders and Diseases.

- Assessment of musculo-skeletal functions.
- Disorders and diseases of bone, muscle, cartilage, ligaments and their management.
- Rehabilitation, physiotherapy and occupational therapy.

Unit XI Emergency and Disaster Nursing.

- Natural calamities.
- Manmade disaster.
- Community resources available to meet such calamities.
- Nurse's role in disaster management.

MENTAL HEALTH/ PSYCHIATRIC NURSING

Hrs. 70

Course Description

This course is designed to help students develop the concept of mental health and mental illness, its causes, symptoms, prevention, treatment modalities and nursing management of mentally ill.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe the concept of mental health and mental illness and the emerging trends in psychiatric nursing.
2. Explain the causes and factors of mental illness, its prevention and control.
3. Identify the symptoms and dynamics of abnormal human behaviour in comparison with normal human behaviour.
4. Demonstrate a desirable attitude and skills in rendering comprehensive nursing care to the mentally ill.

Course Content

Unit I Introduction

- Meaning of mental health and mental illness.
- Definition of terms used in psychiatry.
- Review of mental mechanisms (ego mechanisms).
- Review of personality and types of personality.

Unit II History of Psychiatry

- Contributors to psychiatry.
- History of psychiatric nursing.
- Trends in psychiatric nursing.

Unit III Mental Health Assessment

- Psychiatric history taking
- Interview technique and mental status examination.

Unit IV Community Mental Health

- Concept, importance and scope.
- Attitude and misconceptions towards mentally ill.
- Prevention of mental illness (Preventive Psychiatry) during childhood, adolescence, adulthood and old age.
- Community mental health services.
- Role of nurses in community mental health services.

Unit V Psychiatric Nursing Management

- Definition of psychiatric nursing.
- Principles of psychiatric nursing.
- Nursing process.
- Role of nurses in providing psychiatric nursing care.
- Therapeutic nurse-patient relationship.
- Communication skills.

Unit VI Mental Disorders and Nursing Interventions.

- Etiology- various etiological theories (genetics, biochemical, psychological, etc.)
- Classification of mental disorders.
- Organic mental disorder-Acute brain syndrome.
- Chronic brain syndrome.
- **Functional Mental Disorders.**
 - Prevalence, etiology, signs and symptoms, prognosis, medical and nursing management.
 - Schizophrenic disorders.
 - Mood (affective) disorders.
 - Manic Depressive Psychosis.
 - Anxiety states.
- **Definition, etiology, signs, symptoms, medical and nursing management of:**
 - Phobic disorders, obsessive compulsive disorders, depressive neurosis, conversion disorders, dissociative reaction, hypochondriasis, Psychoactive disorders, alcohol, drugs and other psychoactive substance abuse.

Unit VII Bio-Psychosocial Therapies

- **Psychopharmacology**
 - Definition, classification of drugs, antipsychotic, antidepressant, antimanic, antianxiety agents.
 - Role of nurses in psychopharmacology.
- **Psychosocial therapies**
 - Definition of psychosocial therapies.
 - Types of therapies: individual and group therapy, behaviour therapy, occupational therapy.
 - Role of nurse in these therapies.
- **Somatic therapy**
 - History, technique of electro-convulsive therapy (ECT), indications, contraindications.
 - Role of nurses before, during and after electroconvulsive therapy.

Unit VIII Forensic Psychiatry / Legal Aspects.

- Legal responsibilities in care of mentally sick patients
- Procedure for admission and discharge from mental hospital, leave of absence.
- Indian Lunatic Act 1912
- Mental Health Act 1987
- Narcotic Drugs and Psychotropic Act 1985.

Unit IX Psychiatric Emergencies and Crisis Intervention

- Over active patient
- Destructive patient
- Suicidal patient

COMPUTERS IN NURSING

Hrs. 30

Course Description

This course is designed to help students gain a basic understanding of computers in order to utilize this in rendering effective nursing care in different settings.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe the basic disk operating system.
2. Use computer for data processing.
3. Use computer for word processing and graphics.
4. Use computer in patient management system.
5. Use E-mail and internet.

Course Content

Unit I Introduction to computers and disk –operating system.

Unit II Introduction to word processing.

Unit III Introduction to data base.

Unit IV' Lotus and graphics and use of statistical packages.

Unit V Windows application, word, excel, power point, multimedia.

Unit VI Introduction to Internet and use of electronic mail.

Unit VII Computer aided teaching and testing.

MIDWIFERY AND GYNAECOLOGICAL NURSING

Midwifery : Hrs. 100

Gynaecology : Hrs. 20

Course Description

This course is designed to help students acquire knowledge and gain skills to meet the health needs of women during the period of pregnancy, labor and puerperium. The students will be able to identify different gynaecological disorders, diseases and gain skills in providing nursing care to women suffering from these disorders and diseases.

General Objectives

Upon completion of this course the students will be able to :

1. Describe the health needs of women in pregnancy, labour and puerperium.
2. Identify deviation(s) from normal pregnancy and take appropriate action.
3. Demonstrate skills in providing antepartum, intrapartum and postpartum care to the mother as well as care to the new born.
4. List different gynaecological problems and demonstrate skills in providing nursing care to women suffering from these disorders and diseases.

Course Content

Unit I Introduction

- Definition: Midwifery, obstetrical nursing.
- Scope
- Historical review.
- Development of maternity services in India.

Unit II Reproductive system.

- Review of genito-urinary system of male and female organs structure, physiology.
- Menstrual cycle
- Internal and external organs of reproduction.
- Female pelvis: structure, diameters and type.

Unit III Embryology and foetal development

- Ovum, sperm, maturation, fertilization and implantation.
- Development of fertilized ovum, morula, blastocyst, embryo.
- Development of placenta: structure of full term placenta, functions and abnormalities, anatomical variations.
- Formation of foetal sac, membranes, amnion and chorion and their functions.
- Formation of liquor amni, its functions and abnormalities.
- Development of umbilical cord: structure, functions and abnormalities.
- Foetal skull: diameters, fontanelles, sutures and their importance.
- Foetal circulation.

Unit IV Nursing Management of Pregnant Women.

- Reproductive health.
- Genetic counseling
- Physiological changes in pregnancy.
- Diagnosis of pregnancy: history, signs and symptoms and investigations.
- Influence of hormones.
- Prenatal care: objectives, history taking, calculation of expected date of delivery, routine examinations.
- Health education: breast care, diet in pregnancy antenatal exercises.
- Preparation for hospital /home delivery.
- Immunisation.
- Minor disorders of pregnancy and its management.

Unit V Nursing Management of women in Labour

- Definition, stage and duration.
- Causes of onset of labour.
- True and false labour.

A. First stage of Labour

- Signs of onset of labour
- Physiological changes in first stage of labour.

- Management –preparation of labour room.
- Preparation of women in labour: Physical and psychological.
- Equipments for normal delivery.
- Care: physical, psychological, monitoring of maternal and foetal condition.
- Vaginal examination; indications, articles, technique.

B. Second stage of labour

- Signs of second stage.
- Mechanism of labour
- Monitoring of maternal and foetal condition.
- Physical and psychological care.
- Procedure for conduct of normal delivery
- Prevention of perineal tear.
- Episiotomy, suturing and care.

C. Third Stage of labour.

- Signs, physiological changes.
- Management : immediate baby care, technique of placental expulsion, monitoring maternal condition examination of placements and its membranes, blood loss.
- Immediate postnatal care/ fourth stage of labour.

D. Conduct of home delivery

Unit VI Nursing Management of Baby at birth

- Assessment
- Review of physiology of new born
- Apgar scoring, examination for defects (head to foot Examination)
- Infant feeding :breast feeding, artificial feeding.
- Care of skin, eyes, cord, buttocks.
- Psychology and perception of new born.
- Minor disorders of new born: birth marks, rashes, skin infections, sore buttocks, infections of eyes.

- Jaundice of new born.
- Major disorders: birth asphyxia, resuscitation measures, haemolytic disease (RH factor).
- Infections and birth injuries.

Unit VII Nursing management of Mother during puerperium

- Definition, objectives of care.
- Immediate postnatal care (care during 4th stage of labour)
- Physiological changes during puerperium
- Psychosocial aspects of care.
- Diet during puerperium
- Establishment of lactation and breast care.
- Perineal care.
- Postnatal exercises.
- Postnatal examination, followup, family welfare.
- Minor ailments and its management.

Unit VIII Complications of Pregnancy and its management

- Bleeding in early pregnancy.
- Bleeding in late pregnancy.
- Pregnancy induced hypertension, pre-eclampsia, eclampsia.
- Hydramnios, oligohydramnios.
- Hydatidiform mole.
- Pelvic inflammatory diseases.
- Intrauterine growth retardation, intrauterine death.
- Post maturity

Unit IX High Risk Pregnancy and its management

- Concept, factors.
- Anaemia, Jaundice, Viral infections.
- Urinary tract infections, Heart Diseases, Diabetes Mellitus, Osteomalacia, Sexually Transmitted Diseases, AIDS.
- Teenage pregnancy, Elderly primigravida, Multipara,

- Multiple pregnancy.

Unit X High Risk Labour and its management

- Malpositions, Malpresentations: occipitoposterior position face, brow, shoulder and breech presentation.
- Contracted pelvis: definition, causes, diagnosis, management and trial of labour.
- Abnormal uterine action: hypotonic and hypertonic action, bandl's ring, contraction ring, precipitate labour
- Cervical dystocia.
- Early rupture of membranes, prolonged labour, Induction of labour.
- Obstructed labour rupture of uterus.
- Obstetrical emergencies: cord presentation, cord prolapse, amniotic fluid embolism, obstetric shock.
- Complications of third stage: post partum haemorrhage, atonic uterus, retained placenta and membranes, inversion of uterus.

Unit XI Complications of Puerperium and its management

- Puerperal pyrexia, Puerperal sepsis, Thrombophlebitis, Embolism, Puerperal psychosis.
- Mastitis, Breast abscess

Unit XII Obstetric operations

- Manual removal of placenta.
- Version: internal, external.
- Forceps delivery
- Vacuum extraction.
- Caesarean section.
- Medical termination of pregnancy.
- Laproscopic sterilization.
- Embryotomy.

Unit XIII Drugs used in obstetrics

Unit XIV Ethical and legal aspects related to Midwifery and Gynaecological Nursing.

GYNAECOLOGICAL NURSING

Hrs - 20

Course Content

Unit I Introduction

- Definition related to gynecological nursing.
- Sexuality
- Gynecological history taking, examination and investigations

Unit II Puberty

- Definition development of sex organs in females.
- Menstrual cycle.
- Disorders of menstruation: amenorrhoea, dysmenorrhoea, cryptomenorrhoea
- Dysmenorrhoea, cryptomenorrhoea
- Dysfunctional uterine bleeding.

Unit III Fertility and Infertility

- Definition development of sex organs in females.
- Menstrual cycle.
- Disorders of menstruation: amenorrhoea, dysmenorrhoea, cryptomenorrhoea.
- Dysfunctional uterine bleeding.

Unit IV Pelvic Infertility

- Vulva: vulvitis, bartholinitis.
- Vagina: vaginitis, trichomonas vaginalis, moniliasis
- Metritis, Salpingitis, oophoritis, pelvic abscess.
- Chronic infections, cervical erosion.

Unit V Uterine Displacement and Descent

- Retroversion, retroflexion.
- Descent of the uterus: first degree, second degree, complete procidentia.

Unit VI Sexually transmitted diseases and their prevention

- Syphilis, gonorrhoeas, warts.
- Acquired Immuno Deficiency syndrome (AIDS)/HIV

Unit VII Breast Disorders

- Mastitis
- Breast abscess.
- Tumours.
- Malignancy.

Unit VIII Benign and Malignant Neoplasms of Reproductive organs

- Uterine polyps, uterine fibroids.
- Cancer: cervix, uterus
- Ovarian cyst: benign, malignant.
- Cancer: chemotherapy, radiotherapy.
- Palliative care.

COMMUNITY HEALTH NURSING-II

Hrs. 100

Course Description

This course is designed to help the students gain indepth knowledge of community health and community health nursing services. On completion of this course, the students will be able to function at the first level in various community health settings both in urban and rural areas.

General Objectives

Upon completion of this course, the students will be able to:

1. Describe health system and health care services in India.
2. Identify major health problems, national health programmes and specialized community health services.
3. Explain the concept of health team and describe the nurse's role at various levels of health care settings.
4. Describe the demographic concept and family welfare programme.
5. Explain and motivate use of birth control methods to the community.
6. State the importance of health statistics.
7. Maintain records and reports required in community health nursing services.
8. Demonstrate skills in rendering effective nursing care in all community health settings.

Course Content

Unit I Health System in India (Organizational set-up)

- Central level.
- State level.
- District level
- Block and local level.

Unit II Health care services in India.

- Health care concept and trends.
- Health care delivery system.

- Public sector: Rural areas, urban areas, health insurance, scheme, other agencies (Defence, Railways etc.)
- Voluntary health agencies.
- Indigenous system of medicine.
- Nurse's role in health care services.

Unit III Health Planning in India.

- National Health Policy
- National Health Planning
- Five year plans.
- Health committees and reports.

Unit IV Specialized community Health services and nurse's role

- R.C.H. (Reproductive health and child care)
- School health services
- Industrial nursing
- Geriatric nursing
- Care of the handicapped: physically and mentally challenged.
- Rehabilitation nursing.

Unit V Nurse's Role in National Health Programmes

- Major health problems in India.
- National control and development programmes.
- National eradication programmes.
- Nurse's role in national health programmes.

Unit VI Demography and Family Welfare

- **Demography**
 - Concept
 - Trends in India and its implications.
 - Concept of fertility and infertility.
 - Small family norms.

- **Family Welfare**
 - Concept
 - Importance
 - Aims and objectives.
 - Family planning methods.
 - Family welfare policy.
 - National programme
 - Nurse's role in family welfare programme.

Unit VII Health Team

- Concept
- Composition.
- Functions.

Role of nursing personnel at various levels

- Multipurpose health worker: male and female
- Lady health visitor/ Health supervisor
- Public health nurse.
- Public health nurse supervisor
- District public health nursing officer.

Unit VIII Vital Health Statistics

- Concept
- Uses
- Sources
- Important rates and indices
- Vital health records and their utility.

PAEDIATRIC NURSING

Hrs. 70

Course Description

This course is designed to help the students develop and understanding of the concept of child health, the trends in child care and the health problems of children. This will enable the students to meet the needs of the children, in health and sickness.

General Objectives

Upon completion of this course, the students will be able to :

1. Explain the concept of child health, the principles underlying child care and trends in paediatric nursing.
2. Describe normal growth and development of children, so as to recognize deviation(s) from normal health.
3. Demonstrate skill in meeting the needs of the sick as well as healthy children.

Course Content

Unit I Introduction

- Concept in child health care.
- Trends in paediatric nursing
- Role of paediatric nurse in child care.
- Child care in India.
- Emerging challenges, nursing process related to paediatric nursing.
- Concept of preventive paediatrics.
- Vital statistics.

Unit II The Newborn

A. Characteristics of New Born and Physiologic status of the new born.

- Assessment of the new born: head to toe assessment (physical assessment), neurological assessment.
- Nursing care of the normal/healthy new born including home care.
- Breast feeding-concept of Baby Friendly Hospital Initiative.

B. Common health problems- medical and nursing management of:

- Hyperbilirubinaemia, haemolytic disorder, neonatal hypoglycaemia, sepsis, oral thrush, impetigo, erythema toxicum, hypothermia, neonatal convulsions.
- Birth injuries of muscles and peripheral nerves, injuries of bones, soft tissue injury and injury of nervous system.

C. High Risk New born

- Definition: small for dates, Low birth weight
- Common health problems of preterm, post term and low birth weight infants and their nursing management.
- High risk to new born of HIV +ve mother, diabetic mother, its medical and nursing care.

Unit III The Healthy Child

- Growth and development: Definition, principles, factors affecting growth and development, techniques of assessment of growth and development, importance of learning about growth and development.
- **The Infant**
 - Growth and development during Infancy.
- **Health Promotion during infancy :**
 - Nutrition counseling and weaning, immunization.
 - Safety and security including prevention of accidents, play and toys.
- **The Toddler**
 - Growth and development of Toddler.
 - Health promotion during toddler hood, nutrition counseling, toilet training, immunization, safety and prevention of accidents, guidance to parent on toddler's care, play and toys.
- **The Pre-Schooler**
 - Growth and development during pre-school years.
 - Health promotion during pre-school years, nutritional guidance, safety and security, day care centres/nursery school, play, role of parents in sex education of child.

The School ager

- Physical, psychological and moral development during school age years.

- Health promotion during school years, nutritional guidance, sleep and rest, physical exercise and activity, dental health, sex education, play, role of parents in reproductive child health.

The Adolescent

- Physical changes, physiological and reproductive changes, reaction of adolescents to puberty.
- Health promotion during adolescence.
- Nutritional guidance, personal care, reproductive health/ sex education, Role of parents in health promotion of adolescents

Unit IV The Sick Child

- Child's reaction to hospitalization.
- Effects of hospitalization on the family of the child.
- Role of nurse in helping child and family in coping with stress of hospitalization and illness.
- *Nursing interventions and adaptations in nursing care of sick child.*
 - Examination, principles of safety observed in paediatric techniques.
 - Preparation of child for diagnostic tests, collection of specimens.
 - Calculation and administration of oral and parenteral medications.
 - Procedures related to feeding: formula preparation, gavage, gastrostomy feeding.
 - Procedures related to elimination: enema, colostomy irrigation.
 - Use of play as nursing intervention
 - Care of child in incubator.
 - Administration and analysis of Oxygen concentration.
 - Surgical dressing
 - Steam tent inhalation.
 - Immobilised child
 - Phototherapy.

Unit V *Behavioural Disorders and common Health Problems during Childhood, their Prevention, Medical and Nursing Management.*

- *Infancy*
 - Nutritional disturbances, allergies, dermatitis, vomiting, diarrhea, failure to thrive, resistance to feeding, colic, anxiety.

- *Early Childhood*
 - Communicable diseases, poisoning, tonsillitis, otitis, media, urinary tract infections, diarrhea, child abuse, breath holding spells, bed wetting, thumb sucking, nail biting, temper tantrums, masturbation.
- *Middle Childhood*
 - Helminthic infestations, common skin infections, animal and insect bites, stuttering, pica, tics, antisocial behaviour, enuresis.
- *Later Childhood*
 - Problems of pubertal development: precocious puberty, tall stature, gynaecomastia, acne, amenorrhoea, dysmenorrhoea, sexually transmitted diseases, accidents, sports injuries, Juvenile delinquency, anorexia nervosa, obesity.

Unit VI Children with congenital Defects/Mal formations

- Etiology, signs, symptoms, complications, medical, surgical and nursing management of:
 - Malformations, of the central nervous system-cranial deformities, defects of spina bifida, meningocele, hydrocephalus, cerebral palsy, neural tube closure.
 - Skeletal defects-cleft lip and palate.
 - Defects of Gastro-intestinal tract- Oesophageal atresia and distula, anorectal malformations, hernia, congenital hypertrophied pyloric stenosis.
 - Defects of Genitourinary tract- Hypospadias, epispadias, extrophy of bladder, phimosis, cryptorchidism, polycystic kidney.
 - Sexual abnormalities – ambiguous genitalia, hermaphroditism.
 - Defects of cardio-vascular system- Congenital heart diseases, major acyanotic and cyanotic defects.
 - Orthopaedic Abnormalities – Club foot, developmental abnormalities of extremities.

Unit VII Children with various disorders and diseases.

- Etiology, signs, symptoms, complications, prevention, medical, surgical and nursing management of:
 - Disturbances of fluid and electrolyte balance : imbalance, burns, disturbance of renal function, acute and chronic glomerulonephritis, acute and chronic renal failure.

- Disturbed respiratory functions: Acute infections of upper and lower respiratory tract, acute inflammation of lungs.
- Gastro-intestinal disorders: Malabsorption syndromes (celiac diseases) and obstructive disorders (Intestinal obstruction, Hirschsprung's disease) inflammatory conditions (appendicitis, Meckel's diverticulum, ulcerative colitis), worm infestations.
- Problems related to production and circulation of blood: Acquired heart diseases, congestive cardiac failure, infective endocarditis, rheumatic fever.
- Problems related to the elements of blood: Anaemias, sickle cell anaemia, thalassemia, defects of haemostasis, haemophilia, Immune deficiency diseases, HIV infection (AIDS), leukemias, thrombocytopaenia, purpura.
- Disturbances of regulatory mechanism: disturbances of cerebral functions- altered state of consciousness, craniocerebral trauma.
- Intracranial infections: Meningitis, encephalitis, convulsive disorders.
- Endocrine dysfunctions: Disorder of pituitary functions, disorders of thyroid and parathyroid function, disorders of adrenal cortex, disorders of pancreatic hormone secretion.
- Problems that interfere with locomotion: Poliomyelitis, osteomyelitis, kyphosis, lordosis and scoliosis, rheumatoid arthritis.
- Children with developmental problems: Handicapped children, multiple handicapped children, mental retardation.
- Communication disorders- hearing, vision impairment, deaf and blind children.

Unit VIII Welfare of Children

- Child welfare services, agencies, balwarie, anganwarie, day care centres, midday meal programme.
- Welfare of delinquent and destitute children.
- Programme and policies for welfare of working children.
- National child labour policy
- Child Act, Juvenile Justice Act.
- Internationally accepted rights of the child.

CURRICULUM FOR INTERNSHIP

EDUCATIONAL METHODS & MEDIA FOR TEACHING IN PRACTICE OF NURSING

Hrs. 45

Course Description

This course is designed to introduce the students to the concept of teaching as an integral part of nursing, its relationship to nursing process and also the importance of effective communication in nursing.

General Objectives

Upon completion of this course the students will be able to :

1. Explain the concept of teaching in changing the behaviour of the client.
2. Describe techniques used for teaching clients.
3. Describe the use of different media in teaching and effective communication.

Course Content

Unit I Introduction

- Meaning, aims and purposes of education.
- Meaning of teaching and learning
- Principles of teaching and learning
- Teaching responsibilities of a nurse.
- Methods of teaching, methods of clinical teaching.
- Preparation of teaching plan.

Unit-II Media

- Definition, purposes and types of media.
- Preparation and use of audio-visual aids: graphic aids, printed aids, three dimensional aids, projected aids.
- Limitations, advantages and uses of different types of media.

Practical work

Students will organize teaching in the wards/clinics using nursing process approach and prepare variety of audio-visual aids to implement their teaching either individually or in groups. Students will also submit written teaching plan to the concerned teacher of selected clinical area.

INTRODUCTION TO RESEARCH

Hrs 40

Course Description

This course is intended to develop fundamental abilities and attitude in the students towards scientific methods of investigation and utilization of research finding so as to improve practice of nursing.

General Objectives

Upon completion of the course the students will be able to :

1. Describe the need of research in the practice of nursing.
2. Describe scientific methods of investigation used in nursing.
3. Participate in small and large research activities of the hospital/unit/ward/community.

Course content

Unit I Introduction

- Definition/meaning of research.
- Steps in scientific methods.
- Need for nursing research.
- Characteristics of good research.

Unit II Introduction to research process

- Statement of research problem.
- Statement of purposes and objectives.
- Definition of research terms.
- Review of literature.

Unit III Introduction to research approaches.

- Types, methods, advantages and disadvantages of each method.

Unit IV Introduction to data collection process

- Data collection

- Instruments of data collection.
- Characteristics of data collection.
- Techniques of data collection

Unit V Introduction to analysis of data

- Tabulation
- Classification and summarization.
- Presentation and interpretation of data using descriptive statistics.

Unit VI Writing of report

Unit VII Introduction to Statistics

Unit VIII Application and Utilization of Research in Nursing Practice

Practical work

Student are to read research literature in the library of the school and participate in or assist in conducting scientific investigation in any health care setting with the help of the teacher and submit a written report of the investigation in group of five to six, to respective teacher of selected clinical area.

PROFESSIONAL TRENDS AND ADJUSTMENT

Hrs 40

Course description

This course is designed to help students develop an understanding of the career opportunities available, limitations of nursing profession professional development.

General Objectives

Upon Completion of this course the students will able to:

1. Describe nursing as a profession and the criteria of a profession.
2. Identify various professional responsibilities of a nurse.
3. Describe various professional organizations related to nursing and health.
4. Identify the need for in-service and continuing education in nursing.
5. Demonstrate skills in application of knowledge of professional etiquettes in the practice of nursing in any health care setting.

Course Content

Unit I Introduction to nursing as a profession

- Definition and criteria of nursing profession.
- Evolution of nursing profession in India.
- Educational preparation of a professional nurse.
- Qualities/characteristics and role of a professional nurse.

Unit II Professional ethics

- Meaning and relationship of professional ethics and etiquettes.
- Code of ethics for nurses, INC, I.C.N code of ethics and Nightingale pledge.
- Procedure for employment: locating a position, applying and accepting a position, resignation from a position.

Unit III Personal and professional growth/ development.

(a) Continuing Education

- Meaning and importance of continuing education.
- Scope of continuing education.
- Planning and financing for continuing education.
- In-service education: definition needs participation.

(b) Career in Nursing

- Opportunities available in hospital, community, teaching and other related special organization.
- International influence and aid.
- Nursing in the future.

Unit IV Legislation in Nursing

- Purpose and importance of laws in nursing, legal terms.
- Common legal hazards in nursing.
- Health laws and regulations affecting nurses in India at different levels: Center and State. Consumer protection bill and its impact in nursing practice.
- Fundamental conduct and service rules and institutional rules.
- Regulation and reciprocities.

Unit V Professional and related organizations

- Professional organization: Trained Nurses Association of India, Student Nurses Association, International Council of Nurses (ICN) Indian Nursing Council (INC), State Nursing Councils, Commonwealth Nurses Federation, Nurses League of Christian Medical Association.
- Related Organizations and their contribution to Nursing: World Health Organization, Red Cross, St. John's Ambulance, UNICEF, World Bank,

ADMINISTRATION AND WARD MANAGEMENT

Hrs 45

Course Description

This course aims at giving the student an elementary understanding of basic principle of administration and its application to the management of ward and health unit.

General Objectives

Upon completion of the course the students will be able to:

1. Describe the meaning and principle of administration.
2. Apply the principle of administration in practice of nursing in various health care settings.
3. Plan the nursing service in the ward and community health settings.
4. Describe the importance of good administration in the day to day nursing service in varied health care settings.

Unit I Introduction

- Meaning and philosophy of administration and management and their significance.
- Elements and principles of administration.

Unit II Planning: Aims, Principle, methods and types

Unit III Organization: Command, Co-ordination and control, Delegation, Staffing and Budgeting

- Definition, aims principles and techniques
- Preparation of organizational chart of a hospital ward primary health center, sub center.
- Policies of the hospital and of the various department of the hospital.

Unit IV Administration of a hospital unit and ward

- Administration of ward / unit/health center, physical layout, safety measures, prevention of accident and infections, legal responsibilities of a nurse.

Personal Management

- Job description, job specification, Job analysis, and job satisfaction.
- Staff development and staff welfare.
- Leadership styles, Democratic leadership.

Management of Equipment and supplies

- Maintenance of supplies and equipment.
- Handling over and taking over of inventory.
- Indent and ordering of supplies and equipment.
- Problem solving : Process and approach, step and methods of dealing of supplies and equipment.
- Problem solving: process and approach, step and method of dealing with complaints of patients and other health team members.
- Record and reports: meaning, type of records and reports maintained in the ward, importance and use of records and reports. Records and reports maintained in Primary Health Center and Sub-Center.

Practical work

Student will work in ward/health center with Ward Sister/Public Health Nurse assisting her in carrying out her duties, to get experience in maintaining ward inventory supplies, preparation of duty roster and solving problems. Students will also get experience of working in the hostel kitchen, clinics and in camps organized by the hospital.

Group Project

Projects are to be undertaken by individual or group of student in related fields on a selected topic or problem and solving the problem by using problem solving technique and submitting a written report of the same to the concerned teacher in the selected clinical area. This experience may be planned as part of the experience in various clinical areas and proper experience record should be maintained.

HEALTH ECONOMICS

Hrs. 20

Course Description

This course will help student to understand the basic concept of economics, health economics, the relationship between health and economic development, demand and supply, concept of cost and financing system of health care services in India. This will enable them to appreciate financial aspects of health care services.

General Objectives

Upon completion of this course, the students will be able to:

1. Explain the meaning of economics and health economics.
2. Analyse the relationship between health and economic development.
3. Explain the concept of demand and supply.
4. Describe the structure of health care industry and characteristics of market for health care service
5. Analyse the concept of cost in health care.
6. Discuss financing system of health care services in India.

Course Content

Unit I Introduction to Economics

- Definition and meaning, dimensions of economics, positive and normative economics.

Unit II Introduction to Health Economics

- Concept of Health Economics.
- Focus of health economics.
- Areas of health economics.
- The economics of health and health care service Health and economic development.
- Causes of health problem in India.

Unit III Costs of Health Care

- Concept of cost, types of costs.
- Opportunity cost, total fixed and variable cost, average marginal and sunk costs, cost benefit, cost effectiveness.

Unit IV Demand and Supply in Health Care

- Concept of demand, need, supply, input, output. production function, industry and market.
- Structure of health care industry.
- Characteristics of health care services marked
- Demand side and supply side.

Unit V Financing of Health Care in India

- Financing system and allocation
- Sources of financing of health care services.
- Health plans and outlays, the relative role of state and central government on financing of health care services.
- Factors influencing the state's ability to finance health care services.