



**PRAVARA INSTITUTE OF MEDICAL SCIENCES  
(DEEMED TO BE UNIVERSITY)**

**Loni, Tal. Rahata, Dist. Ahmednagar 413736  
NAAC Re-accredited with 'A' Grade**

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**SYLLABUS**  
**UG Programme- Post Basic B.Sc. Nursing**

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1. Amended Vide Academic Council Resolution No 10 / AC / 2008 dated 12th Sept. 2008
2. Amended Vide Academic Council Resolution No 30 / AC / 2013 dated 03rd Aug. 2013
3. Amended Vide Academic Council Resolution No. AC / 2016/03 dated 26th Aug. 2016
4. Amended Vide Academic Council Resolution No. AC / 2018/19/0-19 dated 14th March 2018
5. Amended Vide Academic Council Resolution no. AC / 2020/D-13(iii) dated 11<sup>th</sup> December 2020

**INDEX**

<b>SR NO</b>	<b>CONTENTS</b>	<b>PAGE NO</b>
1	Mission, Vision & Approach	03
2	Aims and objectives	03
3	Philosophy	04
4	Course of Study	05
5	Scheme of Examination	06
6	Nursing Foundation	10
7	Nutrition & Dietetics	13
8	Biochemistry & Biophysics	16
9	Psychology	23
10	Microbiology	27
11	Maternal Nursing	31
12	Child Health Nursing	36
13	Medical Surgical Nursing	41
14	English	50
15	Universal Human Values & Personality Development – I	52
16	Sociology	53
17	Community Health Nursing	60
18	Mental Health Nursing	65
19	Introduction to Nursing Education	70
20	Introduction to Nursing service administration	75
21	Introduction to Nursing Research and Statistics	80
22	Bioethics	83
23	Universal Human Values & Personality Development – II	87

**MISSION:** Service to the Rural Poor.

**VISION:** Improve 'Quality of Life' of the Rural People.

**APPROACH:** Integrated, Holistic, Problem Solving and Community Oriented.

**AIMS:**

The aim of the Undergraduate nursing program at the post basic Level is to upgrade the diploma (GNM) to:

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

**OBJECTIVES:**

On the completion of Post Basic B.Sc. Nursing degree programme the graduates will be able to:

1. Assess health status, Identify nursing needs, plan implement and evaluate nursing care for patients / Clients that contribute to health of individual families and communities.
2. Demonstrate competency in technique of nursing based on concepts and principles from selected areas of nursing physical, biological and behavioral sciences.
3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of country.
4. Demonstrate skills in communication and interpersonal relationship.
5. Demonstrate leadership qualities and decision – Making abilities in various situations.
6. Demonstrate skills in teaching to individual and groups in community health settings.
7. Demonstrate managerial skills in Community health setting.
8. Practice ethical values in their personal and professional life.
9. Participate in research activities and utilize research findings in improving nursing practice.
10. Recognize the need for continued learning for their personal and professional development.

## PHILOSOPHY

PIMS, College of Nursing believes that –

Health is a state of well-being that enables a person to lead a psychologically, socially, economically productive life. Nursing contributes to health services in vital and significant way in the health care delivery system. It aims at identifying health needs of the people, planning & providing quality care in collaboration with other health professionals & community groups and help individuals to attain independence in self-care.

The Faculty assumes responsibility for teaching, service, research and management. It recognizes the need for participation of teachers & students in all these areas of integrated service development through quality care in nursing. The teachers create learning environment that enables students to acquire inquiry driven, self-directed learning and foster an attitude of life-long learning.

The college believes in training professional nurses from all states of India to meet the great challenges of services in the field of nursing and prepares its students to become exemplary citizen by adhering to the code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

It also believes that an individual from rural areas learn to adopt in an environment where he/she develops awareness & achieves participation as a member of faculty, community & society by involving him/herself as part & parcel of health care delivery system.

### ADMISSION REQUIREMENTS (Eligibility):

- Candidate must have passed the Higher Secondary or Senior Secondary or Intermediate or 10+2 or an equivalent examination recognized by the university for this purpose
- Those who have done 10+1 in or before 1986 will be eligible for admission.
- Obtained a certificate in General Nursing and Midwifery and registered as R.N.R.M. with the State Nurses Registration Council. A male nurse, trained before the implementation of the new integrated course besides being registered as a nurse with State Nurses Registration Council, shall produce evidence of training approved by Indian Nursing Council for a similar duration in lieu of midwifery in any one of the following areas: (O.T. Techniques, Ophthalmic Nursing, Leprosy Nursing, TB Nursing, Psychiatric Nursing, Neurological and Neuro surgical Nursing, Community Health Nursing, Cancer Nursing and Orthopedic Nursing)
- Candidates shall be medically fit.

**COURSE OF STUDY****FIRST YEAR**

<b>SN</b>	<b>Subject</b>	<b>Hours Theory</b>	<b>Hours Practical</b>
1	Nursing Foundation	45	--
2	Nutrition & Dietetics	35	15
3	Biochemistry & Biophysics	60	--
4	Psychology	60	15
5	Microbiology	45	15
6	Maternal Nursing	60	240
7	Child Health Nursing	65	240
8	Medical & Surgical Nursing	105	270
9	English (Qualifying)*	60	--
10	Universal Human Values & Personality Development- I	---	30
<b>Total</b>		<b>535</b>	<b>825</b>

**SECOND YEAR**

<b>SN</b>	<b>Subject</b>	<b>Hours Theory</b>	<b>Hours Practical</b>
11	Sociology	60	--
12	Community Health Nursing	60	240
13	Mental Health Nursing	65	240
14	Introduction to Nursing Education	60	75
15	Introduction to Nursing Administration	60	180
16	Introduction to Nursing Research & Statistics	45	120
17	Bioethics	30	--
18	Universal Human Values & Personality Development-II	--	30
<b>Total</b>		<b>380</b>	<b>885</b>

## SCHEME OF EXAMINATION

PAPER	SUBJECT	DURATION	INT ASS	EXT ASS	TOTAL MARKS
<b>First Year: Theory</b>					
1	Nursing Foundation	2	15	35	50
2	Nutrition & Dietetics	2	15	35	50
3	Biochemistry & Biophysics	3	25	75	100
4	Psychology	3	25	75	100
5	Microbiology	3	25	75	100
6	Maternal Nursing	3	25	75	100
7	Child Health Nursing	3	25	75	100
8	Medical & Surgical Nursing	3	25	75	100
9	English (Qualifying)*	3	25	75	100
<b>Practicals</b>					
1	Medical surgical Nursing		50	50	100
2	Maternal Nursing		50	50	100
3	Child Health Nursing		50	50	100
<b>Second Year: Theory</b>					
1	Sociology	3	25	75	100
2	Community Health Nursing	3	25	75	100
3	Mental Health Nursing	3	25	75	100
4	Introduction to Nursing Education	3	25	75	100
5	Introduction to Nursing Administration	3	25	75	100
6	Introduction to Nursing Research & Statistics	3	25	75	100
<b>Practicals</b>					
7	Community Health Nursing		50	50	100
8	Mental health Nursing		50	50	100

**Note:** \* Qualifying Examination

**N.B:**

1. Teaching of Anatomy, Physiology, Pharmacology, and Pathology, will be integrated with clinical subject.
2. A minimum of 80% attendance in theory and practical / Clinical in each subject is essential for appearing in the examination.
3. 100% attendance in practical / Clinical in each clinical area is essential before award of degree.
4. 50% of minimum marks in each theory and practical paper separately is required for passing
5. A Candidate has to secure minimum of 33% in qualifying subject for passing
6. The candidates if fail in more than one/two subjects in any nursing programme they can be promoted to next year.
7. No student will be allowed to appear for the University Examination unless he/she obtains 50% marks in Internal Assessment for each subject / course separately.
8. The Dean / Principal should certify that the candidate appearing for University Examination satisfies the above conditions.
9. A candidate can take any number of attempts with a condition that maximum period allowed is as proscribed for each nursing programme, i.e. P.B.B.Sc. Nursing is four years.
10. However all papers need to be cleared before appearing in the final examination.

### Credit hours for Post Basic B Sc Nursing Course

**Total Theory & Practical Hours: 2625**

**Total Theory & Practical Credit hours: 116**

SN	Course	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
<b>II</b>	<b>Post Basic B Sc Nursing</b>				
A	First Year BSc Nursing	535	<b>35</b>	825	<b>27</b>
B	Second Year BSc Nursing	380	<b>25</b>	885	<b>29</b>
<b>Total Hours</b>		<b>915</b>	<b>60</b>	<b>1710</b>	<b>56</b>

**Note:** Theory: 01 credit is equal to 15 hours; Practical / clinical: 01 credit is equal to 30 hours

### Credit hours for Nursing Courses (Year wise)

SN	Course	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
<b>I</b>	<b>Post Basic B Sc Nursing</b>				
A	First Year B Sc Nursing	535	<b>35</b>	825	<b>27</b>
B	Second Year BSc Nursing	380	<b>25</b>	885	<b>29</b>

**Note:** Theory: 01 credit is equal to 15 hours; Practical / clinical: 01 credit is equal to 30 hours

### Credit hours for PB B Sc Nursing Courses

**I year PB BSc nursing – Subject wise**

**Total Theory & Practical Hours: 1360**

**Total Theory & Practical Credit hours: 62**

SN	Subjects	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
1	Nursing Foundation	45	03	--	
2	Nutrition and Dietetics	35	02	15	0.5
3	Biochemistry and Biophysics	60	04	--	
4	Psychology	60	04	15	01
5	Microbiology	45	03	15	
6	Maternal Nursing	60	04	240	08
7	Child Health Nursing	65	04	240	08
8	Medical & Surgical Nursing	105	07	270	09
9	English (Qualifying)*	60	04	--	
10	Universal Human Value and Personality Development- I	---		30	01
<b>Total hours</b>		<b>535</b>	<b>35</b>	<b>825</b>	<b>27</b>



**Note:** Theory: 01 credit is equal to 15 hours; Practical / clinical: 01 credit is equal to 30 hours

**II year PB B Sc nursing – Subject wise**

**Total Theory & Practical Hours: 1265**

**Total Theory & Practical Credit hours: 54**

SN	Subjects	Theory hours [class and lab]	Credit hours	Practical hours [clinical]	Credit hours
1	Sociology	60	04	--	
2	Community Health Nursing	60	04	240	08
3	Mental Health Nursing	65	04	240	08
4	Introduction to Nursing Education	60	04	75	02
5	Introduction to Nursing Administration	60	04	180	06
6	Introduction to Nursing Research and Statistics	45	03	120	04
7	Bioethics	30	02	-	-
8	Universal Human Value and Personality Development-II	--		30	01
	<b>Total hours</b>	<b>380</b>	<b>25</b>	<b>885</b>	<b>29</b>

**Note:** Theory: 01 credit is equal to 15 hours; Practical / clinical: 01 credit is equal to 30 hours

**QUESTION PAPER PATTERN**

**Pravara Institute of Medical Sciences  
University Examination  
Question Paper Pattern  
Course/ Year: First Year Post Basic BSc Nursing**

**Paper Title:** 1) Nursing Foundation  
2) Nutrition & Dietetics

**Marks: 35**

**SECTION "A" MCQ (7 Marks)**

Question 1. Multiple Choice Questions (7x1=7)  
( Total 7 MCQ of One mark each)

a) b) c) d) e) f) g)

**SECTION "B"**

Question 2. Short Answer Questions (Any four out of Five) (4x4 = 16)

a) b) c) d) e)

Question 3. Short Answer Questions (Any Three One out of Four) (3x4= 12)

a) b) c) d)

**Pravara Institute of Medical Sciences**  
**University Examination**  
**Question Paper Pattern**  
**Course/ Year: First Year Post Basic BSc Nursing**  
**Paper Title: Biochemistry & Biophysics**  
**Marks: 75**

**SECTION "A" MCQ (15 Marks)**

- Question 1. Multiple Choice Questions (15x1=15)  
( Total 15 MCQ of One mark each)
- a)      b)      c)      d)      e)      f)      g)      h)      i)  
          j)  
k)      l)      m)      n)      o)

**SECTION "B" Biochemistry**

- Question 2. Short Answer Questions (Any four out of Five) (4x5 = 20)  
a)      b)      c)      d)      e)
- Question 3. Answer the following (2x5= 10)  
a)      b)  
Or  
a)      b)

**SECTION "C" Biophysics**

- Question 2. Short Answer Questions (Any four out of Five) (4x5 = 20)  
a)      b)      c)      d)      e)
- Question 3. Answer the following (2x5= 10)  
a)      b)  
Or  
a)      b)

**Note:- Biochemistry MCQ for 08 Marks**  
**Biophysics MCQ for 07 Marks**

**Pravara Institute of Medical Sciences  
University Examination  
Question Paper Pattern**

**Marks: 75**

**First Year Post Basic BSc Nursing**

- |                              |                          |
|------------------------------|--------------------------|
| 1 : Psychology               | 2 : Microbiology         |
| 3 : Maternal Nursing         | 4 : Child Health Nursing |
| 5 : Medical Surgical Nursing |                          |

**Second Year Post Basic BSc Nursing**

- |   |   |
|---|---|
| 7 : Sociology                               | 8 : Community Health Nursing                    |
| 9 : Mental Health Nursing                   | 10 : Introduction to Nursing Education          |
| 11 : Introduction to Nursing Administration | 12 : Introduction Nursing Research & Statistics |

**SECTION "A" MCQ (15 Marks)**

Question 1. Multiple Choice Questions (Total 15 MCQ of One mark each) (15x1=15)

- a)    b)    c)    d)    e)    f)    g)    h)    i)  
       j)  
 k)    l)    m)    n)    o)

**SECTION "B"**

- |                                    |                         |            |
|------------------------------------|-------------------------|------------|
| Question 2. Short Answer Questions | (Any Three out of Five) | (3x5 = 15) |
| a)    b)    c)    d)    e)         |                         |            |
| Question 3. Short Answer Questions | (Any Three out of Five) | (3x5 = 15) |
| a)    b)    c)    d)    e)         |                         |            |
| Question 4. Long Answer Question   | (Compulsory)            | (1x15= 15) |
| a)                                 |                         |            |
| Question 5. Long Answer Questions  | (Any One out of Two)    | (1x15= 15) |
| a)    b)                           |                         |            |

**\* The above have been added under the heading "Question Paper Pattern" as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



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## SYLLABUS

### UG Programme- Post Basic B.Sc. Nursing –Nursing Foundation

**Placement** : **First Year**  
**Course Code** : **PNU 101**  
**Teaching Hours** : **Theory 45 hours**    **Credit Hours** : **03**

**Course Description:** This course will help students to develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession.

**OBJECTIVES:**

At the end of the course, the students will

1. Identify professional aspects of nursing
2. Explain theories of nursing
3. Identify ethical aspects of nursing profession
4. Utilize steps of nursing process
5. Identify the role of the nurse in various levels of health services
6. Appreciate the significance or quality assurance in nursing.

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
I	06	<p><b>Introduction</b> Must Know: (4 Hours)</p> <ul style="list-style-type: none"> <li>• Development of Nursing as a Profession</li> <li>• Philosophy</li> <li>• Objectives and responsibilities of a graduate nurse</li> <li>• Trends influencing nursing practice</li> <li>• Expanded role of the nurse</li> <li>• Code of ethics &amp; professional conduct for nurses.</li> </ul> <p>Desirable to Know: (2 Hours)</p>	Lecture, Discussion, assignment	Short answer question Objective type

		<ul style="list-style-type: none"> <li>• Development of nursing education in India and trends in nursing education</li> <li>• Professional organizations, career planning</li> </ul>		
<b>II</b>	12	<p><b>Concepts of Health and illness</b> Must Know: (10 Hours)</p> <ul style="list-style-type: none"> <li>• Concepts of Health and illness effects on the person</li> <li>• Stress and Adaptation</li> <li>• Health care concepts and nursing care concept</li> </ul> <p>Desirable to Know: (02 Hours )</p> <ul style="list-style-type: none"> <li>• Developmental concepts, needs, roles and problems of the developmental stages of individual – newborn, infant, toddler, preadolescent, adolescent, adulthood, middle age, old age</li> </ul>	Lecture, Discussion, assignment	Short answer question Multiple choice question
<b>III</b>	05	<p><b>Theory of Nursing Practice</b> Must Know: (04 Hours)</p> <ul style="list-style-type: none"> <li>• Nursing Theory:</li> <li>• Florence Nightingale</li> <li>• Virginia Henderson</li> <li>• Betty Neuman</li> <li>• Dorothea Orem</li> <li>• Martha Rogers etc</li> </ul> <p><b>Desirable to Know: (01 Hours)</b></p> <ul style="list-style-type: none"> <li>• Meta paradigm of nursing</li> <li>• Characterized by four central concepts i.e. Nurse, Person (client/patient). Health and Environment</li> </ul>	Lecture, Discussion	Multiple choice question Short answer question
<b>IV</b>	10	<p><b>Nursing Process:</b> Must Know: (10 Hours)</p> <ul style="list-style-type: none"> <li>• Nursing diagnosis – Definitions, concepts, statements, types, interpretation</li> <li>• Planning: techniques for planning care, types of care plans.</li> <li>• Implementation: different approaches to care, organizations and implementation of care, recording</li> <li>• Evaluation: tools for evaluation, process of evaluation</li> </ul>	Lecture, Discussion Nursing care plan Case study	Short answer questions Multiple choice question

<b>V</b>	06	<b>Quality Assurance:</b> Must Know: (05Hours) <ul style="list-style-type: none"> <li>• Nursing diagnosis – Definitions, concepts, statements, types, interpretation</li> <li>• Quality assurance: nursing standards, nursing audit, total qualityManagement</li> </ul> Desirable to know: (01 Hours) <ul style="list-style-type: none"> <li>• Role of council and professional bodies in maintenance of standards</li> </ul>	Lecture, Discussion	Short answer questions Multiple choice question
<b>VI</b>	06	<b>Approaches to health care</b> Must Know: (04Hours) Primary health care concepts: <ul style="list-style-type: none"> <li>• Community oriented nursing</li> <li>• Holistic nursing</li> <li>• Primary nursing</li> </ul> Desirable to know: (02 Hours) <ul style="list-style-type: none"> <li>• Family oriented nursing concepts</li> <li>• Problem oriented nursing</li> <li>• Progressive patient care</li> <li>• Team nursing</li> </ul>	Lecture, Discussion	Short answer questions Multiple choice question

**PRACTICUM:**

- Teaching Learning Activities.
- Nursing process application.
- Select one patient and write nursing care plan.
- Select one client from OPD / Community / Peer Group and write nursingcare plan.



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## SYLLABUS

### UG Programme- Nutrition & Dietetics

<b>Placement</b>	<b>:</b>	<b>First Year</b>	
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 35 hours</b>	<b>Credit Hours : 02</b>
		<b>Practical 15 hours</b>	<b>Credit hours : 0.5</b>

**Course Description:** This course is designed to provide the students with a wide knowledge of dietetics in Indian setting, that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

#### OBJECTIVES:

At the end of the course, the students will:

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.

Unit no.	Theory Hours	Unit Content	Teaching Learning Methods	Evaluation
<b>I</b>	08	<p><b>Introduction to Nutrition and Dietetics:</b> <b>Must Know:</b> (6Hours)</p> <ul style="list-style-type: none"> <li>• Balanced diet, factors on which it depends</li> <li>• Factors to be considered in planning</li> <li>• Food Hygiene, preparation and preservation</li> </ul> <p><b>Desirable to Know:</b> (2 Hours)</p> <ul style="list-style-type: none"> <li>• Guides available for planning</li> <li>• Review of nutrients – micro &amp; macro</li> </ul>	Lecture, Discussion	Short answer questions Multiple Choice Question



<b>II</b>	08	<p><b>Introduction to diet therapy:</b> Must Know: (7Hours)</p> <ul style="list-style-type: none"> <li>• Routine hospital diets</li> <li>• Therapeutic diet under each unit i.e. Cardiovascular diseases, Gastrointestinal diseases, Renal disorders, Endocrine and metabolic disorders, Allergy, Infections and fevers</li> <li>• Deficiency diseases and malnutrition, overweight and underweight</li> </ul> <p>Desirable to know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Pre and post-operative stage</li> </ul>	Lecture, Discussion	Short answer questions Multiple Choice Question
<b>III</b>	08	<p><b>Infant and child nutrition:</b> Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Feeding of normal infants: factors to be considered in planning, nutritional requirements</li> <li>• Supplementary feeding of infants: Advantage and method of introduction</li> <li>• Weaning effects on mother and child</li> </ul> <p><b>Desirable to know: (04 Hours)</b></p> <ul style="list-style-type: none"> <li>• Psychology of infant and child feeding</li> <li>• Feeding the sick child. Diet in diseases of infancy and childhood</li> <li>• Deficiency – malnutrition, under nutrition, other nutrients deficiency</li> <li>• Feeding pre-school child: nutritional needs, factors to be considered in planning diets</li> <li>• Problems in feeding</li> <li>• School Lunch Programme: Advantages, Need in India</li> </ul>	Lecture, Discussion Therapeutic Diet Preparation, Demonstration	Short answer questions Multiple Choice Question

IV	06	<p><b>Community nutrition: Need for community nutrition programme:</b> Must Know: (5Hours)</p> <ul style="list-style-type: none"> <li>• Nutritional needs for special groups: infant, child, adolescent, Pregnant and lactating mother and old people</li> <li>• Substitutes for non-vegetarian foods</li> <li>• Selection of cheap and nutritious foods. Nutrition education needs and methods</li> <li>• Methods of assessing nutritional status of individual / group /community</li> </ul> <p><b>Desirable to know: (1 Hour)</b></p> <ul style="list-style-type: none"> <li>• Current nutritional problems and national programmes (mid-day meal etc.)</li> </ul>	Lecture, Discussion Therapeutic Diet preparation	Short answer questions Multiple Choice Question
V	05	<p><b>* Dietetics in Ayurveda</b> <b>Must Know: (5Hours)</b></p> <ul style="list-style-type: none"> <li>• <i>Introduction</i></li> <li>• <i>Health and wellbeing</i></li> <li>• <i>Principle of Ayurveda Diet</i></li> <li>• <i>Various types of diet and its preparation</i></li> <li>• <i>Effects and benefits</i></li> <li>• <i>Evidence based practice in dietetics in Ayurveda</i></li> </ul>	Lecture, Discussion Demonstration	Short answer questions

## PRACTICUM

### I. Methods of cooking and cookery rules.

1. Simple preparation of beverages, soups, cereals and pulses, eggs, vegetables, meat, multipurpose food snacks.
2. Menu Plans.

### II. Preparation of supplementary food for infants.

1. Food for toddlers.
2. Low cost nutritious dishes for vulnerable groups.
3. Dietary case study of patient on special diet and planning of low cost dietary instructions for home adaptations.
4. Planning of therapeutic diets.

**\* The above have been added under the heading "Dietetics in Ayurveda" Unit- V, as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



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## SYLLABUS

### UG Programme- Biochemistry & Biophysics

**Placement** : First Year  
**Teaching Hours** : Theory 30 hours    **Credit Hours** : 02

### SECTION A- Biochemistry

**Course Description:** The broad goal of teaching Biochemistry to nursing students is to enable them to understand, the chemical processes taking place in the human body in health and disease. This will help them to increase the quality of patient care.

**OBJECTIVES:**

At the end of the course, the students will

1. Identify the basic principles of Biochemistry
2. Understand and grasp the basic outline of chemistry and properties of important biomolecules like glucose, urea, etc
3. Summarize the working of enzymes and their importance as diagnostic tools for the clinician.
4. Describe the mechanisms involved in maintenance of body fluids along with electrolytes.
5. Be able to understand the concepts of laboratory medicine, which involves learning about physiological levels of important biomolecules and the underlying cause of change in these levels in disease states.

Unit no.	Theory Hours	Unit Content	Teaching Learning Methods	Evaluation
I	02	<b>Introduction :</b> Must Know: (2Hours) <ul style="list-style-type: none"> <li>• Importance of Biochemistry in Nursing</li> <li>• Study of cell and its various components</li> </ul>	Lecture, Discussion	Short answer questions Multiple Choice Questions
II	02	<b>Water and Electrolytes :</b> Must Know: (2Hours) <ul style="list-style-type: none"> <li>• Distribution of water and its</li> </ul>	Lecture, Discussion, lab	Short answer questions

		<p>functions in human body (ECF &amp; ICF)</p> <ul style="list-style-type: none"> <li>• Water &amp; Fluid balance</li> <li>• Electrolyte Distribution and its functions in body</li> <li>• Dehydration causes and consequences</li> <li>• Electrolyte imbalance – causes, hypo and hypernatremia and hypokalemia</li> </ul>	experiment	Multiple Choice Questions
III	05	<p><b>Enzymes:</b> Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Enzyme :Definition</li> <li>• Mechanism of action</li> <li>• Factors affecting enzyme activities</li> <li>• Enzymes in clinical diagnosis and its applications</li> <li>• Precautions for handling specimens for enzymes estimation</li> <li>• Digestion and Absorption of carbohydrates, proteins and lipids</li> </ul> <p>Desirable to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>• Various Factors influencing the digestion and absorption malabsorption syndrome</li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple Choice Questions
IV	05	<p><b>Carbohydrates:</b> Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Catabolism of carbohydrates for energy purposes</li> <li>• Elementary consideration of Mono, di and polysaccharides</li> <li>• Fate of glucose in the body including gluconeogenesis, glycogenesis, glycolysis, glycogenolysis, storage of glucose</li> <li>• Outline and Importance of TCA Cycle (Kreb's cycle)</li> <li>• Regulation of blood glucose levels. Glucose Tolerance test</li> </ul>	Lecture, Discussion, journal writing	Short answer questions Multiple Choice Questions

		<p>(GTT)</p> <ul style="list-style-type: none"> <li>• Hyperglycemia, Hypoglycemia</li> </ul> <p>Desirable to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>• Mitochondrial oxidation and oxidation phosphorylation</li> <li>• Elementary outline of Electron transport chain (ETC) and Biological oxidation</li> </ul>		
V	05	<p><b>Proteins:</b></p> <p>Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Amino acids &amp; hormones</li> <li>• Protein Chemistry</li> <li>• Essential amino acids, properties and functions</li> <li>• Important polypeptides</li> <li>• Bio-synthesis of proteins in the cells and Role of nucleic acids in proteinsynthesis</li> <li>• Nitrogenous constituents of Urine, blood their origin Urea cycle Nitrogen balance Uric Acid formation, gout</li> </ul> <p>Desirable to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>• Plasma Proteins and their functions</li> <li>• Nucleic acids, DNA, RNA</li> </ul>	Lecture, Discussion, journal writing	Short answer questions Multiple Choice Questions
VI	06	<p><b>Lipids:</b></p> <p>Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Biological Importance of important lipids and their functions</li> <li>• Blood levels and Metabolism</li> <li>• Ketone body formation and its utilization</li> <li>• Biosynthesis of fats and storage of fats (Boxidation)</li> <li>• Goal of lipid metabolism in Atherosclerosis and Heart diseases</li> <li>• Causes and detection of ketosis</li> </ul> <p>Desirable to Know: (2Hour)</p> <ul style="list-style-type: none"> <li>• Cholesterol and Lipoprotein</li> <li>• Sources, occurrence and</li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple Choice Questions

		distribution <ul style="list-style-type: none"> <li>• Role of liver in fat metabolism. Fatty liver, its causes and prevention</li> </ul>		
VII	05	<b>Inter relationship in metabolism &amp; cellular control of metabolic process</b> <ul style="list-style-type: none"> <li>• Carbohydrates, Lipids, a Protein, minerals metabolism</li> <li>• Nutrition calorie value of food, BMR, SDA, Balance Diet.</li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple Choice Questions

## SECTION B- Biophysics

**Placement : First Year**  
**Teaching Hours : Theory 30 hours Credit Hours : 02**

**Course Description:**The broad goal of teaching Biophysics to nursing students is to enable them to understand the application of physics principles while providing nursing care to the patients.

Unit no.	Theory Hours	Unit Content	Teaching Learning Methods	Evaluation
I	02	<b>Introduction :</b> Must Know: (2Hours) <ul style="list-style-type: none"> <li>• Concepts of unit and measurements</li> <li>• Fundamental and derived units</li> <li>• Unit length, weight, mass, time</li> </ul>	Lecture, Discussion	Short answer questions Multiple Choice Questions
II	02	<b>Vectors:</b> Must Know: (2Hours) <ul style="list-style-type: none"> <li>• Vector and scalar motion, speed, velocity and acceleration</li> <li>• Newton's law of motion</li> </ul>	Lecture, Discussion, demonstration	Multiple Choice Question, Long Answer
III	03	<b>Gravity:</b> Must Know: (3Hours) <ul style="list-style-type: none"> <li>• Gravity: Specific gravity, center of gravity, principles of gravity</li> <li>• Effect of gravitational forces on human body</li> <li>• Application of principles of gravity in nursing</li> </ul>	Lecture, Discussion	Short answer, Multiple Choice Questions Long Answer
IV	03	<b>Force, work and energies:</b> Must Know: (3Hours) <ul style="list-style-type: none"> <li>• Their units of measurement</li> <li>• Type and transformation of energy, forces of the body, Static forces</li> <li>• Principles of machines, friction and body mechanics</li> <li>• Simple mechanics – lever and body mechanics, pulley and</li> </ul>	Lecture, Discussion, assignment	Short answer, Multiple Choice Questions Long Answer

		<p>traction, incline plane, screw</p> <ul style="list-style-type: none"> <li>• Application of these principles in nursing</li> </ul>		
<b>V</b>	03	<p><b>Heat:</b> Must Know: (3Hours)</p> <ul style="list-style-type: none"> <li>• Heat: Nature, measurement, transfer of heat</li> <li>• Effects of heat on matter</li> <li>• Relative humidity, specific heat</li> <li>• Temperature scales, Regulation of body temperature, Use of heat for sterilization</li> <li>• Application of these principles in nursing</li> </ul>	Lecture, Discussion, demonstration	Short answer, Multiple Choice Questions, Long Answer
<b>VI</b>	03	<p><b>Light:</b> Must Know: (3Hours)</p> <ul style="list-style-type: none"> <li>• Light: Laws of reflection</li> <li>• Focusing elements of the eye, defective vision and its correction, use of lenses</li> <li>• Relationship between energy, frequency and wavelength of light</li> <li>• Biological effects of light</li> <li>• Use of light in therapy</li> <li>• Application of these principles in nursing</li> </ul>	Lecture, Discussion, project	Short answer, Multiple Choice Questions Long Answer
<b>VII</b>	03	<p><b>Pressures:</b> Must Know: (3Hours)</p> <ul style="list-style-type: none"> <li>• Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure</li> <li>• Measurements of pressures in the body, Arterial and venous blood pressures, Ocular pressure, Intracranial pressure, Applications of these principles in nursing</li> </ul>	Lecture, Discussion, project	Short answer, Multiple Choice Questions Long Answer
<b>VIII</b>	02	<p><b>Sound:</b> Must Know: (2Hours)</p> <ul style="list-style-type: none"> <li>• Sound: Frequency, Velocity and Intensity</li> <li>• Vocalization and hearing</li> <li>• Use of ultrasound. Noise pollution and its prevention</li> </ul>	Lecture, Discussion	Short answer questions Multiple Choice Questions Long



		<ul style="list-style-type: none"> <li>Application of these principles in nursing</li> </ul>		Answer Question
<b>IX</b>	05	<b>Electricity and Electromagnetism :</b> Must Know: (4 Hours) <ul style="list-style-type: none"> <li>Name of Electricity, Voltage, Current, Resistance and their Units</li> <li>Electricity and human body</li> <li>ECG, EEG, EMG, ECT</li> <li>Pace makers and defibrillation</li> <li>M.R.I. Scanning, CAT Scan</li> </ul> Desirable to know: (1 Hour) <ul style="list-style-type: none"> <li>Flow of electricity in solids, electrolytes, gases and vacuum</li> <li>Magnetism and electricity</li> </ul>	Lecture, Discussion, project	Short answer, Multiple Choice Questions Long Answer
<b>X</b>	02	<b>Nuclear Physics:</b> Must Know:(2Hours) <ul style="list-style-type: none"> <li>Atomic Energy : Structure of Atom, Isotopes and Isobars</li> <li>Radioactivity : Use of radioactive isotopes, Radiation protection units and limits, instruments used for detection of Ionizing radiation. X rays</li> </ul>	Lecture, Discussion, assignments	Short answer Multiple Choice Questions Long Answer Question
<b>XI</b>	02	<b>Electronics:</b> Must Know:(2Hours) <ul style="list-style-type: none"> <li>Principles of Electronics</li> <li>Common electronic equipments used in patient care</li> </ul>	Lecture, Discussion	Multiple Choice Questions Long Answer

**Practicum**

- Experiments and tests should be demonstrated wherever applicable



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## SYLLABUS

### UG Programme- Psychology

**Placement : First Year**  
**Teaching Hours : Theory 60 hours Credit Hours : 04**  
**Practical 15 hours Credit Score : 0.5**

**Course Description:** The course is designed to orient students with regard to psychological principles, and widen their knowledge of fundamentals of psychology. The course offers students an opportunity to understand the psychodynamics of patient behavior and to apply theoretical concepts in practical settings.

Unit no	Theory Hours	Unit Content	Teaching Learning Activity	Evaluation
I	03	<b>Introduction to Psychology</b> Must know: (01Hour) <ul style="list-style-type: none"> <li>• Introduction to psychology: Definition, history and scope, branches and methods</li> <li>• Psychology and the student nurse</li> </ul> Nice to know: (01Hour) <ul style="list-style-type: none"> <li>• Habits and skills</li> </ul> Desirable to know: (01Hour) <ul style="list-style-type: none"> <li>• Relationship with other subjects</li> </ul>	Lecture, discussion, assignment	Multiple Choice, Short Answer, Long Answer Question
II	06	<b>Sensation, Attention and Perception</b> Must Know : (05Hours) <ul style="list-style-type: none"> <li>• Attention – Definition, characteristics and types, Factors affecting attention, Distraction and sustaining attention</li> <li>• Perception – Definition and</li> </ul>	Lecture, discussion, assignment, experiment	Multiple Choice Question, Short Answer Long Answer Question

		<p>characteristics, Perception of form, depth and movement, Types and difficulties in perception, Problems and nursing care</p> <p>Desirable to know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Sensory processes: Problems in sensation</li> </ul>		
III	06	<p><b>Motivation, frustration and conflict</b></p> <p>Must Know: (04Hours)</p> <ul style="list-style-type: none"> <li>• Motivation: Definition, nature and theories</li> <li>• Needs and motives – Biological and social</li> <li>• Application in nursing care</li> </ul> <p>Desirable to Know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Frustration and conflicts</li> <li>• Types of conflicts</li> </ul> <p>Nice to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Self actualization</li> </ul>	Lecture, discussion, group activity, assignment	Multiple Choice Question, Short Answer, Long Answer Question
IV	05	<p><b>Emotions and Expressions</b></p> <p>Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Emotion: Definition and meaning, <ul style="list-style-type: none"> <li>o Emotions in sickness,</li> <li>o Application in nursing care</li> </ul> </li> </ul> <p>Desirable to know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Expressions and perceptions</li> </ul> <p>Nice to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Theories of emotion o Expressions and perceptions</li> </ul>	Lecture, discussion, project	Multiple Choice Question, Short Answer Question Long Answer Question
V	07	<p><b>Personality and Defense Mechanisms</b></p> <p>Must Know: (03 Hours)</p> <ul style="list-style-type: none"> <li>• Personality: Definition, nature, factors influencing personality.</li> </ul> <p>Desirable to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Theories of personality development</li> <li>• Defense mechanisms</li> </ul> <p>Nice to know: (02Hours)</p>	Lecture, discussion, project	Multiple Choice Question, Short Answer Question Long Answer Question

		<ul style="list-style-type: none"> <li>• Psychological problems</li> <li>• Personality disorders and nursing</li> </ul>		
VI	05	<p><b>Psychological aspects of nursing</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Behavior during sickness <ul style="list-style-type: none"> <li>o Understanding the client</li> <li>o Psychological approach in nursing care</li> </ul> </li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Psychological needs of child, adolescent, adult, aged</li> <li>• Conically ill and attendants</li> </ul>	Lecture, discussion, field visit	Multiple Choice Question, Short Answer Long Answer Question
VII	04	<p><b>Individual Differences, Heredity and Environment</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Individual difference: Definition and significance</li> <li>• Role in health and sickness</li> <li>• Implications in nursing</li> </ul> <p>Desirable to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Heredity and environment</li> </ul>	Lecture, discussion, assignment	Multiple Choice Question, Short Answer, Long Answer Question
VIII	06	<p><b>Intelligence and abilities</b> Must know: (04Hours)</p> <ul style="list-style-type: none"> <li>• Definitions and nature, theories</li> <li>• Intelligence and abilities during sickness</li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Psychological testing and measurement</li> <li>• Mental retardation and IQ</li> </ul>	Lecture, discussion, experiment on IQ test	Multiple Choice Question, Short Answer, Long Answer Question
IX	05	<p><b>Learning</b> Must know: (05Hours)</p> <ul style="list-style-type: none"> <li>• Definition, nature and conditioning theories</li> <li>• Learning process, laws and types and factors</li> <li>• Learning during health and sickness</li> <li>• Forgetting during health and sickness</li> </ul>	Lecture, discussion	Multiple Choice Question, Short Answer, Long Answer Question

X	05	<p><b>Memory and forgetting</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Memory: Definition and nature <ul style="list-style-type: none"> <li>o factors affecting memory</li> <li>o Methods to improve memory</li> <li>o Forgetting – Definition, explanation of forgetting</li> </ul> </li> <li>• Memory &amp; Forgetting during health and sickness.</li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Memory models</li> </ul>	Lecture, discussion	Multiple Choice Question, Short Answer, Long Answer Question
XI	05	<p><b>Attitude</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Definition and nature, <ul style="list-style-type: none"> <li>o Factors influencing attitude formation</li> </ul> </li> <li>• Role of attitudes in health and sickness</li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Theories of attitudes</li> </ul>	Lecture, discussion, panel discussion	Multiple Choice Question, Short Answer, Long Answer Question
XII	03	<p><b>Mental health and Hygiene</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Mental hygiene - Concepts and meaning of mental hygiene <ul style="list-style-type: none"> <li>o Characteristics of a mentally healthy person</li> <li>o Factors influencing mental health</li> </ul> </li> </ul>	Lecture, discussion	Multiple Choice Question, Short Answer, Long Answer Question

**PRACTICUM (15 Hours)**

- Simple experiments on (i) perception (ii) measuring thresholds (iii) Reaction time.
- Administration of Psychological tests
- Observation and recording data: (i) field observation (ii) interview (iii) casestudy (iv) self rating.



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## SYLLABUS

### UG Programme- Microbiology

<b>Placement</b>	<b>:</b>	<b>First Year</b>		
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 45 hours</b>	<b>Credit Hours</b>	<b>: 03</b>
		<b>Lab 15 hours</b>	<b>Credit Score</b>	<b>: 0.5</b>

**Course Description:** This course reorients the students to the fundamentals of Microbiology and its various subdivisions. It provides opportunities to gain skill in handling and use of microscope for identifying various microorganisms. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying microorganisms

#### OBJECTIVES:

After the course the students will develop

1. Identify common disease causing organisms
2. Basic principles of Microbiology & its significance in health & disease
3. Handling of infective specimens
4. Various methods of sterilization & disinfection
5. Role of nurse in hospital infection control system

Unit	Theory Hours	Content	Teaching Learning Activity	Evaluation
I	03	Must Know: (02Hours) <ul style="list-style-type: none"> <li>• Introduction</li> <li>• General Microbiology : History, (Fracostoruiues of Verona to the Latest</li> <li>• Nobe Laureates short note on Pasteur and Koch)</li> </ul> Desirable to know :(01 Hour) <ul style="list-style-type: none"> <li>• Microscope (Types – dissecting to Electron measuring scale upto nanometer )</li> </ul>	Lecture, Demonstration, assignment	Multiple Choice Question, Short Answer, Long Answer Question

II	03	<p>Must know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• General microbiology</li> <li>• Morphology and Physiology (Size, Shape, structure, spore, flagella, capsule)</li> </ul> <p>Nice to know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Staining (demonstration) Gram's + Z N's + Motility</li> </ul>	Lecture, Demonstration	Multiple Choice Question, Short Answer, Long Answer Question
III	05	<p>Must know : (03Hours)</p> <ul style="list-style-type: none"> <li>• Bacterial growth requirement</li> <li>• Growth requirement of Bacteria + Bacteria growth curve</li> <li>• Collection processing of sample and bacteria</li> </ul> <p>Desirable to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Cultural media different</li> </ul>	Lecture, Demonstration	Multiple Choice Question, Short Answer, Long Answer Question
IV	05	<p>Must know: (04 Hours)</p> <ul style="list-style-type: none"> <li>• Sterilization &amp; Disinfection: Sterilization + Disinfections</li> <li>• Sterilization of instruments, Different disinfectants dilute</li> <li>• Hospital infection control Bio-safety - Fumigation and role of nurse</li> </ul> <p>Nice to know : (01Hour)</p> <ul style="list-style-type: none"> <li>• Bacterial genetics (emphasis to drug resistance) Host parasite relationship</li> </ul>	Lecture, Demonstration, supervised clinical practice, Field visit to CSSD	Multiple Choice Question, Short Answer Question, Long Answer Question
V	10	<p>Desirable to know: (07 Hours)</p> <ul style="list-style-type: none"> <li>• Systemic Bacteriology</li> <li>• (Morpho, growth requirements, diseases caused vaccine epideo)</li> <li>• Pyogenic cocci causing diseases Staphylococci, Streptococci and Pneumococci and Neisseria</li> <li>• Salmonella + Shigella</li> </ul>	Lecture, discussion, Demonstration	Multiple Choice Question, Short Answer, Long Answer Question

		<ul style="list-style-type: none"> <li>• E colidiarrhoea + Cholera +Pseudomonas</li> <li>• C. diptheria + Chlamydia</li> <li>• Anaerobes intro. + C. welchii</li> <li>• C. tetani + nonsporing anaerobes mention diseases: Tuberculosis, Leprosy</li> <li>• Spirocheate + Leptospira</li> <li>• Chlamydia</li> </ul> <p>Nice to know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Demo different morphology of bacteria G + C, G + B, GNC, GNB</li> <li>• Demo of organism Spore, Capsule, fungi, AFB</li> </ul>		
VI	05	<p>Desirable to know: (03 Hours)</p> <ul style="list-style-type: none"> <li>• Systemic Mycology</li> <li>• Fungi intro., Dermatophytes</li> <li>• Mycetophytes</li> <li>• Mycetoma, Rhino, Crypto, Candida</li> </ul> <p>Nice to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Lab. Diagnosis of fungal infections</li> </ul>	Lecture, discussion, Demonstration, journal writing	Multiple Choice Question, Short Answer Question, Long Answer Question
VII	05	<p>Must know: (5 Hours)</p> <ul style="list-style-type: none"> <li>• Immunology</li> <li>• Immunity</li> <li>• Antigen</li> <li>• Antibody</li> <li>• Ag X Ab reaction serological</li> <li>• Immune Response</li> <li>• Hypersensitivity</li> </ul>	Lecture, Discussion, journal writing	Multiple Choice Question, Short Answer, Long Answer Question
VIII	10	<p>Must know: (06 Hours)</p> <ul style="list-style-type: none"> <li>• Systematic Parasitology: Introduction</li> <li>• Classification and some terms</li> </ul> <p>Desirable to know: (03 Hours)</p> <ul style="list-style-type: none"> <li>• Amoeba + Giardia</li> <li>• Trichomonas + Leishmania</li> </ul>	Lecture, discussion, Demonstration	Multiple Choice Question, Short Answer Question, Long Answer Question



		<ul style="list-style-type: none"> <li>• Malaria + Toxoplasma</li> <li>• Cestodes (Taeniasodium and saginata E. granuloses)</li> <li>• Intestinal Nematodes</li> <li>• Tissue Nematodes, Vectors</li> </ul> <p>Nice to know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Different Parasites and vectors stool preparation demo</li> </ul>		
IX	08	<p>Must know : (05 Hours)</p> <ul style="list-style-type: none"> <li>• Systematic Virology:</li> <li>• Gen. Prop. Cultivation classification</li> </ul> <p>Desirable to know : (03 Hours)</p> <ul style="list-style-type: none"> <li>• Herpes virus, Picorna virus</li> <li>• Measles, Mumps, Chicken pox</li> <li>• Ortho and Arbo (Dengue)</li> <li>• Rhabdo virus</li> <li>• Hepatitis virus</li> <li>• HIV and AIDS</li> </ul>	Lecture, discussion, Demonstration, assignments	Multiple Choice Question, Short Answer Question, Long Answer Question
X	06	<p>Must know:(06 Hours)</p> <p>Clinical Microbiology</p> <ul style="list-style-type: none"> <li>• PUO, UTI, STD, Wound infection</li> <li>• Micro – organism transmitted through food</li> <li>• Food poisoning, food born infection</li> </ul>	Lecture, discussion, Demonstration	Multiple Choice Question, Short Answer Question, Long Answer Question

**PRACTICUM:**

Each student will practice in laboratory as indicated in each unit of the courses outline. While giving nursing care in the wards they will practice collection and processing of specimens, prevention and control of hospital infections. Sterilization, immunization, chemotherapy and maintenance of personal and environmental hygiene, Observation visit to incinerator, posting inCSSD and infection control department



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## SYLLABUS

### UG Programme- Maternal Nursing

**Placement : First Year**  
**Teaching Hours : Theory 60 hours Credit Hours : 04**  
**Practical 140 hours Credit Score : 08**

**Course Description:** The course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and to develop skill in rendering optimum nursing care to a child bearing mother in a hospital or in community and help in the management of common gynecological problems.

Unit	Theory Hours	Content	Teaching Learning method	Evaluation
I	5	<b>Introduction and historical review</b> <b>Must Know: (3 Hours)</b> <ul style="list-style-type: none"> <li>• Maternity care and practices in various cultures across the world</li> <li>• Expanded role of the midwife in maternity</li> <li>• Safe motherhood initiative</li> <li>• Maternal mortality, morbidity and perinatal mortality</li> <li>• Family welfare programme</li> </ul> <b>Nice To Know : (2 Hours)</b> <ul style="list-style-type: none"> <li>• Early history of midwifery and evolution of obstetrics</li> <li>• Legislation related to maternal benefits, MTP acts, Family planning</li> </ul>	Lecture, discussion Assignment	Short answers Question Multiple Choice Question Essay type
II	6	<b>Anatomy and physiology of female reproductive system</b> <b>Must Know :(5 Hours)</b> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology</li> </ul>	Lecture, discussion, Seminar, Clinical discussion	Short answers Question Multiple Choice

		<p>of female reproductive system</p> <ul style="list-style-type: none"> <li>• Female pelvis and foetal skull</li> <li>• Menstrual cycle, Placenta, liquor amnii, umbilical cord</li> <li>• The foetus: foetal growth, foetal circulation</li> </ul> <p><b>Nice To Know:</b> (1 Hour )</p> <ul style="list-style-type: none"> <li>• Human reproduction, gametogenesis, fertilization, embryo</li> </ul>		<p>Question Essay type Return demonstration</p>
III	8	<p><b>Normal Pregnancy</b> Must Know: (8 Hours)</p> <ul style="list-style-type: none"> <li>• Physiological changes during pregnancy</li> <li>• Diagnosis of pregnancy and antenatal care, Management of I, II, and III stages of labour</li> <li>• Management of normal puerperium, Antenatal assessment of foetal well being</li> <li>• Physiology of normal labour</li> <li>• Mechanism of normal labour</li> <li>• Physiology of puerperium</li> <li>• Physiology of lactation and breast feeding</li> </ul>	<p>Lecture, discussion, Seminar, Clinical care study</p>	<p>Short answers Question Multiple Choice Question Essay type Return demonstration</p>
IV	6	<p><b>New Born Baby</b> Must Know: (4 Hours)</p> <ul style="list-style-type: none"> <li>• Resuscitation and immediate care of newborn</li> <li>• including SGA &amp; LGA</li> <li>• Normal characteristics and essential care of newborn</li> <li>• Asphyxia Neonatarum, respiratory distress, Jaundice in newborn</li> <li>• Care of low birth weight babies in labour room and nursery /NICU</li> </ul> <p><b>Nice To Know :</b>(2 Hours )</p> <ul style="list-style-type: none"> <li>• Birth injuries, congenital anomalies, infection in newborn, and vomiting in newborn</li> <li>• Still birth – incidence, causes and prevention</li> </ul>	<p>Lecture, discussion Seminar Demonstration Clinical presentation</p>	<p>Short answers Question Multiple Choice Question Essay type Return demonstration</p>

V	5	<p><b>Medical disorders in pregnancy</b> Must Know: (5 Hours)</p> <ul style="list-style-type: none"> <li>• Hypertensive disorders – Pregnancy induced hypertension, Eclampsia</li> <li>• Anemia in pregnancy</li> <li>• Diabetes mellitus in pregnancy</li> <li>• Heart diseases, Renal disorders in pregnancy, Jaundice in pregnancy, Pulmonary TB, Pregnancy with STD, HIV / AIDS</li> <li>• Abortion, Hydatiform mole</li> <li>• Ectopic pregnancy, Medical termination of pregnancy</li> <li>• Antepartum hemorrhage – placenta previa, Abruption placenta</li> <li>• Vomiting in pregnancy</li> <li>• Pregnancy in Rh negative women</li> <li>• Multiple pregnancy, hydramnios</li> <li>• Preterm labour, Premature rupture of membrane, IUGR, postdatism</li> <li>• Pregnancy with previous caesarean section, Fibroid with pregnancy, Ovarian tumour with pregnancy</li> </ul>	Lecture, discussion, Seminar, Symposium, supervised clinical practice	Short answers Question Multiple Choice Question Essay type Return demonstration
VI	10	<p><b>High risk Labour</b> Must Know : (6 Hours)</p> <ul style="list-style-type: none"> <li>• Abnormal presentation – Unstable lie, Occipitoposterior, face and brow presentation breech presentation, compound presentation, Contracted pelvis and CPD</li> </ul> <p>Nice To Know : (4 Hours )</p> <ul style="list-style-type: none"> <li>• Abnormal uterine action in labour and active management of labour</li> <li>• Obstructed labour, rupture of uterus, injuries of maternal birth canal, cord prolapse</li> </ul>	Lecture, discussion, Seminar, Demonstration Supervised clinical practice	Short answers Question Multiple Choice Question Essay type Return demonstration
VII	3	<p><b>Abnormalities of puerperium</b> Must Know : (2 Hours)</p> <ul style="list-style-type: none"> <li>• Puerperial pyrexia and sepsis</li> <li>• Post partum hemorrhage</li> <li>• Breast complications – Breast engorgement, breast abscess, acute</li> </ul>	Lecture, discussion Demonstration Clinical discussion	Short answers Question Multiple Choice Question Essay type

		mastitis Nice To Know :(1 Hour ) • Psychiatric disorders in puerperium		Return demonstration
VIII	4	<b>Obstetrical emergencies &amp; operative obstetrics</b> Must Know: (3 Hours) • Use of instruments – Episiotomy Forceps, Vacuum • Caesarean section Nice To Know:(1 Hour) • Uterine rupture, cervical tear	Lecture, discussion, Seminar, assignments	Short answers Question Multiple Choice Question Essay type
IX	3	<b>Pharmaco therapeutics</b> Must Know : (3 Hours) • Oxytocins, Prostaglandins – use in obstetrics • Anesthesia and analgesics used in obstetrics	Lecture, discussion, presentation Drug book	Short answers Question Multiple Choice Question Essay type
X	2	<b>Special investigations in obstetrics</b> Must Know : (2 Hours) • USG, NST, CTG, Radiography	Lecture, discussion, field visit	Short answers Question
XI	4	<b>Current trends in reproductive health(RCH)</b> Must Know : (3 Hours) • Infertility, genetic counseling Nice To Know:(1 Hour ) • Unwanted pregnancy • Unwed mother • Advances in obstetrics and maternity care	Lecture cum discussion Field visit	Short answers Question Multiple Choice Question
XII	4	<b>Gynecological Nursing :</b> Must Know: (3 Hours) • Common Gynecological Problems • Cervical erosions, Carcinoma Fibroids, Uterine and Cervical Prolapse Nice To Know: (1 Hour ) • Uterine Inversion etc	Lecture, discussion, supervised clinical practice	Short answers Question Multiple Choice Question Essay type

**PRACTICUM:**

Practice following nursing procedures:

- Antenatal, Postnatal & per vaginal exam
- Conduct normal delivery (For male candidates minimum conduct of 5 deliveries)

- Motivation of Planned Parenthood, advice on family planning methods
- Assist in various diagnostic & therapeutic procedure including IUD insertion & removal
- Follow Nursing process in providing care to 36 patients

**Practical:**

1. Case study: Two
2. Case presentation: One
3. Clinical evaluation
  - a. ANC/ LABOUR ROOM/ PNC
4. Group Health teaching (One)
5. Nursing care Plan (Gyanac one)



# PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736  
NAAC Re-accredited with 'A' Grade

## SYLLABUS

### UG Programme- Child Health Nursing

**Placement** : First Year  
**Teaching Hours** : Theory 65 hours Credit Hours : 04  
 Practical 240 hours Credit Score : 08

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

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
<b>I</b>	<b>8</b>	<b>Introduction</b> Must Know: (05 Hours) <ul style="list-style-type: none"> <li>• Introduction to child health nursing:</li> <li>• Modern concept of child care</li> <li>• Internationally accepted rights of the child</li> <li>• Changing trends in hospital care, preventive, promotive and curative aspects of child health</li> <li>• Differences between adult and child</li> <li>• Hospital environment for a sick child and role of a pediatric nurse in caring for the hospitalized child</li> <li>• Principles of pre and post operative care of infants and children</li> <li>• Pediatric nursing procedures Preparation of child for</li> </ul>	Lecture, Discussion Demonstration, Record book	Short answer questions Objective type

		<p>diagnostic tests, collection of specimens, calculation and administration of oral and parenteral medication, feeding, administration of oxygen, Nebulization, exchange transfusion, restraints</p> <p><b>Desirable to Know: (02 Hours)</b></p> <ul style="list-style-type: none"> <li>• National programmes related to child health and welfare</li> <li>• Child morbidity and mortality rates</li> </ul> <p><b>Nice to Know: (01 Hour)</b></p> <ul style="list-style-type: none"> <li>• National policy and legislation's in relation to child health and welfare</li> </ul>		
<b>II</b>	<b>12</b>	<p><b>The healthy child</b></p> <p><b>Must Know: (09 Hours)</b></p> <ul style="list-style-type: none"> <li>• The Healthy Child:</li> <li>• Growth &amp; development</li> <li>• Principles &amp; factors affecting growth &amp; development.</li> <li>• Assessment of growth and development</li> <li>• Growth &amp; development from birth to adolescence, needs of normal</li> <li>• Children through stages of development and parental guidance.</li> <li>• Infancy, toddler, preschooler, school age child and adolescents.</li> <li>• Preventive immunization.</li> </ul> <p><b>Desirable to Know: (02 Hours)</b></p> <ul style="list-style-type: none"> <li>• Nutritional needs of infants and children, principles of pediatric nutrition</li> <li>• Breast feeding</li> <li>• Artificial feeding &amp; Weaning</li> </ul> <p><b>Nice to Know: (01 Hour)</b></p> <ul style="list-style-type: none"> <li>• Role of play in children</li> <li>• Need, importance and value of play, selection of play material and</li> <li>• Nurse's role</li> </ul>	Lecture, Discussion, supervised clinical practice, Record book	Short answer questions Objective type
<b>III</b>	<b>4</b>	<b>Nursing care of a neonate</b>	Lecture,	Short



		<p>Must Know:(2 Hours)</p> <ul style="list-style-type: none"> <li>• Characteristics and care of a newborn.</li> <li>• Asphyxia neonatorum&amp; neonatal resuscitation.</li> <li>• Low birth weight infants</li> <li>• Nursing management of common neonatal disorders.</li> <li>• Neonataljaundice&amp;phototherapy</li> <li>• Neonatal sepsis &amp;hypoglycemia</li> <li>• Organization of Neonatal units, Prevention &amp; Control of infection</li> </ul> <p>Desirable to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Preventive immunization</li> </ul> <p>Nice to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Critical care concept in child health</li> </ul>	<p>Discussion Demonstration, simulation and Record book</p>	<p>answer questions Objective type</p>
<b>IV</b>	<b>32</b>	<p><b>Nursing management of common childhood illness:</b></p> <p>Must Know: (26 Hours)</p> <p>a) Nutritional deficiency disorders</p> <ul style="list-style-type: none"> <li>• Protein energy malnutrition</li> <li>• Vitamin deficiency disorders (Rickets, scurvy, Vitamin A deficiency disorders)</li> </ul> <p>b) Respiratory diseases &amp; disorders</p> <ul style="list-style-type: none"> <li>• Acute bronchitis &amp; Bronchiolitis, Pneumonia, Bronchial Asthma</li> </ul> <p>c) Disorders of the gastrointestinal system</p> <ul style="list-style-type: none"> <li>• Acute gastroenteritis</li> <li>• Tracheoesophageal fistula</li> <li>• Cleft lip and palate</li> <li>• Hypertrophic, Pyloric Stenosis</li> <li>• Hirschsprung's disease &amp;Intestinal Obstruction</li> <li>• Anorectal anomalies</li> </ul> <p>d) Cardiovascular system</p> <ul style="list-style-type: none"> <li>• Rheumatic fever</li> <li>• Congenital heart diseases</li> <li>• Congestive cardiac failure</li> </ul> <p>Desirable to Know: (06 Hours)</p>	<p>Lecture, Discussion Demonstration, supervised clinical practice, case study</p>	<p>Short answer questions Long answer questions Objective type</p>

		<p>e) Disorders of Genito urinary System</p> <ul style="list-style-type: none"> <li>• Acute glomerulo nephritis</li> <li>• Nephrotic Syndrome</li> <li>• Wilm's tumour &amp; Congenital disorders</li> </ul> <p>f) Neurological disorders</p> <ul style="list-style-type: none"> <li>• Convulsions in children &amp; Epilepsy</li> <li>• Meningitis.</li> </ul>		
<b>V</b>	<b>4</b>	<p><b>Management of behavioral problems in children:</b></p> <p>Must Know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Management of behavioral problems in children.</li> <li>• Childhood illness:</li> <li>• Enuresis, Encopresis, temper tantrums somnambulism, juvenile delinquency, speech defects, tics, pica, antisocial behavior.</li> </ul> <p>Desirable to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Management of challenged children</li> <li>• Physically challenged – Cerebral palsy</li> <li>• Socially challenged – Child abuse &amp; child labour</li> </ul> <p>Nice to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Need for early diagnosis, treatment and rehabilitation of Mentally challenged – Mental retardation</li> </ul>	Lecture, Discussion Demonstration, supervised clinical practice, case study	Short answer questions Long answer questions Objective type
<b>VI</b>	<b>5</b>	<p><b>Sports Nursing:</b></p> <p>Must Know: (03 Hours)</p> <ul style="list-style-type: none"> <li>• Sports injuries</li> <li>• Clinical evaluation and diagnosis</li> <li>• Diet (specific nutritional requirement of sportsmen)</li> <li>• Role of nurse</li> </ul> <p>Desirable to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>• Immediate and emergency care</li> <li>• Common health problems and its prevention, promotion and protection of health</li> </ul>	Lecture, Discussion Demonstration	Short answer questions Long answer questions Objective type

		Nice to Know: (1 Hour) <ul style="list-style-type: none"><li>• Treatment and rehabilitation</li></ul>		
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**Practical:**

1. Case study = two
  - One pediatric Medical
  - One pediatric surgical
2. Case presentation one
3. Clinical evaluation of compressive nursing care
  - One pediatric medical
  - One pediatric surgical
  - One NICU
4. Health teaching
5. Assessment of growth and development  
(Preterm baby, Infant, Toddler, Preschooler, and Schooler)



# PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

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## SYLLABUS

### UG Programme- Medical Surgical Nursing

<b>Placement</b>	<b>:</b>	<b>First Year</b>		
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 105 hours</b>	<b>Credit Hours</b>	<b>: 07</b>
		<b>Practical 270 hours</b>	<b>Credit Score</b>	<b>: 09</b>

**Course Description:** The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with Medical Surgical problems. This course includes review of relevant anatomy & physiology, path physiology in Medical Surgical disorders & the nursing management of these conditions.

#### OBJECTIVES:

At the end of the course, the F Y P.B.B.Sc. Nursing students will:

1. Explain relevant Anatomy & Physiology of various systems of the body.
2. Explain etiology, pathophysiology & manifestations of various disorders.
3. Explain the actions, side effects & nursing implications in administering drugs for various disorders.
4. Discuss the recent advancement in the investigations, treatment & care of patients with Medical Surgical conditions.
5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. Assist the patients & their families in identifying & meeting their own health needs.
7. Provide planned & incidental health education on various aspects related to disorder & relevant care.
8. Appreciate the role of the nurse in the Medical Surgical health team.

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
I	04	<b>Introduction to Medical Surgical nursing:</b> Must Know: (2 Hours) <ul style="list-style-type: none"> <li>• Functions of nurse in the outpatient department, Intensive care unit</li> <li>• Client's needs and nursing care</li> </ul>	Lecture, Discussion, assignment	Short answer, Multiple Choice question

		<p>Desirable to Know: (2 Hours)</p> <ul style="list-style-type: none"> <li>Review of concepts of comprehensive nursing care in medical surgical conditions</li> <li>Nurse, patient &amp; his/her family</li> </ul>		Long answer Question
II	10	<p><b>Nursing management of patients with specific problems:</b></p> <p>Must Know: (10Hours)</p> <ul style="list-style-type: none"> <li>Fluid &amp; electrolyte imbalance</li> <li>Dyspnea, cough &amp; respiratory obstruction</li> <li>Fever &amp; nursing care</li> <li>Shock &amp; nursing care</li> <li>Unconscious Patient &amp; nursing care</li> <li>Pain perception &amp; nursing care</li> <li>Acute &amp; chronic illness &amp; nursing care</li> <li>Terminal illness &amp; nursing care</li> <li>Ageing &amp; illness &amp; nursing care</li> <li>Pre &amp; postoperative care</li> <li>Nursing care of clients with incontinence</li> </ul>	Lecture, Discussion, supervised clinical practice	Short answer questions Multiple Choice question Long answer Question
III	08	<p><b>Nursing management of patient with neurological and neurosurgical conditions:</b></p> <p>Must Know: (5Hours)</p> <ul style="list-style-type: none"> <li>Pathophysiology, diagnostic procedures</li> <li>Management of cerebrovascular accident, cranial, Spinal, and peripheral neuropathies</li> <li>Headache and intractable pain, epilepsy</li> <li>Infectious and inflammatory diseases and trauma of the Nervous System</li> <li>Common disorders of the system</li> <li>Recent advances in diagnostic and treatment modalities</li> <li>Drugs used in these disorders</li> </ul> <p>Desirable to Know: (2 Hours)</p> <ul style="list-style-type: none"> <li>Tumor of brain and spinal cord, congenital malformations, degenerative diseases</li> </ul> <p>Nice to know: (1 Hour)</p> <ul style="list-style-type: none"> <li>Review of anatomy &amp; physiology of Nervous System &amp; assessment of clients with Neurological disorders</li> </ul>	Lecture, Discussion, supervised clinical practice, clinical care pathway	Short answer questions Multiple Choice question Long answer Question
IV	08	<p><b>Nursing management of patients with cardiovascular problems:</b></p>	Lecture, Discussion,	Short answer

		<p><b>Must Know: (7 Hours)</b></p> <ul style="list-style-type: none"> <li>• Assessment of clients with cardiovascular disorders</li> <li>• Pathophysiology, Diagnostic procedures &amp; management of ischemic heart disease</li> <li>• Cardiac arrhythmias</li> <li>• Congestive cardiac failure</li> <li>• Rheumatic &amp; other valvular heart diseases</li> <li>• Endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block</li> <li>• Cardiac emergencies: cardiac arrest, acute pulmonary oedema, Cardiac tamponade, cardiogenic shock, aneurysms &amp; peripheral vascular disorders.</li> <li>• Recent advancement in cardiology</li> </ul> <p><b>Desirable to Know: (1 Hours)</b></p> <ul style="list-style-type: none"> <li>• Review of relevant anatomy &amp; physiology of cardiovascular system</li> </ul>	supervised clinical practice, clinical care pathway	<p>questions</p> <p>Long answer questions</p> <p>Multiple Choice question</p>
V	06	<p><b>Nursing management of patient with respiratory problems:</b></p> <p><b>Must Know: (5 Hours)</b></p> <ul style="list-style-type: none"> <li>• Assessment of clients with respiratory disorders</li> <li>• Pathophysiology, diagnostic procedures.</li> <li>• Management of upper and lower respiratory tract infection</li> <li>• Bronchitis, Bronchitis, Bronchiectasis, Asthma, COPD, Emphysema, Empyema, Atelectasis,</li> <li>• Nursing care- Chest injuries, resp. arrest &amp; insufficiency</li> </ul> <p>Special respiratory therapies &amp; drugs used in the management</p> <p><b>Desirable to know: (1 Hour)</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy &amp; physiology of respiratory system</li> </ul>	Lecture, Discussion, Demonstration, case study, case presentation	<p>Short answer questions</p> <p>Long answer questions</p> <p>Multiple Choice question</p>
VI	05	<p><b>Nursing management of clients with genitourinary problems</b></p> <p><b>Must Know: (3Hours)</b></p> <ul style="list-style-type: none"> <li>• Assessment of clients with genitourinary</li> </ul>	Lecture, Discussion, supervised clinical	<p>Short answer questions</p> <p>Long</p>

		<p>problems.</p> <ul style="list-style-type: none"> <li>• Pathophysiology &amp; management of congenital disorders, urinary infections</li> <li>• Nephritis, renal calculi, Acute renal failure, chronic renal failure, end stage renal disease</li> <li>• Special procedures : dialysis, renal transplant, Benign prostatic hypertrophy</li> </ul> <p>Desirable to Know: (1Hour)</p> <ul style="list-style-type: none"> <li>• Review of anatomy &amp; physiology of the genitourinary system</li> </ul> <p>Nice to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Drugs used in the management of these patients</li> </ul>	practice, clinical care pathway	answer questions Multiple Choice question
VII	10	<p><b>Nursing management of client with digestive systems:</b></p> <p>Must Know: (08 Hours)</p> <ul style="list-style-type: none"> <li>• Assessment of clients with Gastrointestinal tract disorders Pathophysiology, diagnostic procedures</li> <li>• Management of- Gastrointestinal bleeding, peptic ulcer, acute abdomen, infections colitis, Cholecystitis, hepatitis, hepatic coma and cirrhosis of liver, portal hypertension, Pancreatitis</li> </ul> <p>Desirable to Know: ( 1 Hour)</p> <ul style="list-style-type: none"> <li>• Review of anatomy &amp; physiology of digestive systems</li> </ul> <p>Nice to know: (1 Hour)</p> <ul style="list-style-type: none"> <li>• Drugs used in the management of these patients. Diarrhea, dysentery and malformation syndrome</li> <li>• Tumors, hernias, fistulas, fissures, hemorrhoids</li> </ul>	Lecture, Discussion, supervised clinical practice, clinical care pathway	Short answer questions Long answer questions Multiple Choice question
VIII	05	<p><b>Nursing management of patients with endocrine problems:</b></p> <p>Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>• Pathophysiology, diagnostic procedures &amp; - management of Thyroid disorders</li> <li>• Diabetes mellitus, diabetes insipidus and nursing management of patient with above problems</li> </ul> <p>Desirable to know: (1 Hour)</p>	Lecture, Discussion, supervised clinical practice, clinical care pathway	Short answer questions Long answer questions Multiple Choice question

		<ul style="list-style-type: none"> <li>Review of anatomy &amp; physiology &amp; assessment of clients with endocrine disorders</li> <li>Adrenal tumors, pituitary disorders</li> <li>Drugs used with above problems</li> </ul>		
IX	05	<p><b>Nursing management of patients with musculoskeletal problems:</b> Must know: (3 Hours)</p> <ul style="list-style-type: none"> <li>Assessment of patients with musculoskeletal disorders</li> <li>Management of : osteomalacia, osteoporosis, osteomyelitis</li> </ul> <p>Desirable to know: (1Hour)</p> <ul style="list-style-type: none"> <li>Review of anatomy, physiology Pathophysiology and diagnostic procedure</li> </ul> <p>Nice to Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>Bursitis, Fractures, dislocation &amp; trauma., Prolapsed disc, Prosthesis &amp; rehabilitation</li> <li>Transplant &amp; replacement surgeries</li> </ul>	Lecture, Discussion case study, case presentation	Short answer questions Long answer questions Multiple Choice question
X	03	<p><b>Nursing management of patients with disorders of female reproductive tract:</b> Must know: (2 Hours)</p> <ul style="list-style-type: none"> <li>Disorders of menstruation &amp; infection of genital tract</li> <li>Benign &amp; malignant tumors of genital tract &amp; RVF &amp; VVF</li> </ul> <p>Nice to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>Climacteric changes &amp; associated problems.</li> </ul>	Lecture, Discussion case study, case presentation, care plan	Short answer questions Long answer questions Multiple Choice question
XI	05	<p><b>* Nursing management of patients with oncological disorders:</b> Must Know: (3Hours)</p> <ul style="list-style-type: none"> <li>Types of neoplasm &amp; related pathophysiology, diagnostic procedures, modalities of treatment &amp; nurses' role</li> </ul> <p>Desirable to Know: (2Hours)</p> <ul style="list-style-type: none"> <li>Special therapies : chemotherapy &amp; radiotherapy &amp; nursing care</li> <li>Preventive measures, other therapies</li> <li>Sharing bad news, Steps to deliver difficult news, Common responses to bad news, Collusion: Hiding information</li> </ul>	Lecture, Discussion, supervised clinical practice, clinical care pathway	Short answer questions Long answer questions Multiple Choice question



		<i>and communication with a dying child</i>		
XII	03	<b>Nursing management of patients with burns and reconstructive surgeries:</b> Must know: (3 Hours) <ul style="list-style-type: none"> <li>• Pathophysiology, assessment &amp; nursing management of patients with burns</li> <li>• Nursing management of patients with reconstructive surgeries</li> </ul>	Lecture, Discussion case study, case presentation	Short answer Long answer questions Multiple Choice question
XIII	05	<b>Nursing management of patients with communicable diseases:</b> Must know: (5Hours) <ul style="list-style-type: none"> <li>• STDs and HIV/AIDS</li> <li>• Nursing management of patients with common communicable diseases &amp; STDs</li> <li>• Nursing management of patients with immunological disorders including HIV/AIDS</li> </ul>	Lecture, Discussion case study, case presentation	Short answer questions Long answer questions Multiple Choice question
XIV	05	<b>Nursing management of patients with diseases of Eye, Ear, Nose, Throat &amp; Skin:</b> Must know: (5 Hours) <ul style="list-style-type: none"> <li>• Assessment &amp; nursing management of patients with eye disorders. (eye injuries, cataract, infection, blindness)</li> <li>• Assessment &amp; nursing management of patient with ear disorders (deafness)</li> <li>• Assessment &amp; nursing management of patients with nose &amp;throat disorders. (DNS, tonsillitis)</li> <li>• Assessment &amp; nursing management of patients with skin disorders. (fungal inf., herpes, psoriasis etc )</li> </ul>	Lecture, Discussion, supervised clinical practice, clinical care pathway	Short answer questions Long answer questions Multiple Choice question
XV	05	<b>Nursing management of patients with blood disorders:</b> Must Know: (3Hours) <ul style="list-style-type: none"> <li>• Pathophysiology, diagnostic procedures &amp; management of blood disorders</li> <li>• Anemia, leukaemia</li> <li>• Bleedingdisorders, haemophilia, purpura etc,Blood transfusion, safety checks, procedure &amp; requirements</li> <li>• Management: adverse transfusion</li> </ul>	Lecture, Discussion Visit to blood bank, case study, demonstration.	Short answer questions Long answer questions Multiple Choice question

		<p>reaction, records for blood transfusion, Biosafety &amp; waste management in relation to blood transfusion</p> <p>Desirable to Know: (1Hour)</p> <ul style="list-style-type: none"> <li>Review of anatomy &amp; physiology of blood &amp; blood products</li> </ul> <p>Nice to Know: (1 Hour)</p> <ul style="list-style-type: none"> <li>Management &amp; counseling of blood donors, phlebotomy procedure &amp; post donation management, Blood bank functioning &amp; hospital transfusion committee</li> </ul>		
XVI	03	<p><b>Nursing in emergencies:</b></p> <p>Must Know: (3Hours)</p> <ul style="list-style-type: none"> <li>Trauma</li> <li>Poisoning</li> <li>Crisis</li> </ul>	Lecture, Discussion	Short answer Multiple Choice question
XVII	05	<p><b>Complementary and Alternative therapy</b></p> <p>Must Know: (5Hours)</p> <ul style="list-style-type: none"> <li>Alternative Medicine system</li> <li>Mind – Body Interaction</li> <li>Manipulation and Body Based Methods</li> <li>Biologically Based Therapies</li> <li>Energy Therapies</li> <li>Nurses role</li> </ul>	Lecture, Discussion, field visit	Short answer questions Long answer questions Multiple Choice question
XVIII	02	<p><b>Biomechanics and medical equipments</b></p> <p>Must Know: (2Hours)</p> <ul style="list-style-type: none"> <li>Medical equipments used in patient care Electrical, technical and computer aspects of medical equipments operation</li> <li>Patient safety, Risk management</li> <li>Quality assurance, Role of nurse</li> </ul>	Lecture, Discussion, field visit	Short answer Long answer questions Multiple Choice question
XIX	04	<p><b>Forensic Nursing</b></p> <p>Must Know: (4Hours)</p> <ul style="list-style-type: none"> <li>History of forensic nursing, Injuries and weapons, Toxicology</li> <li>Sexual offences, Criminal behavior</li> <li>Investigation and forensic significance</li> <li>Collection and preservation of samples, Medico legal autopsy</li> <li>Role of nurse</li> </ul>	Lecture, Discussion, assignment	Short answer questions Long answer questions Multiple Choice question

XX	04	<b>Electromagnetics on health</b> <b>Must Know: (4Hours)</b> <ul style="list-style-type: none"> <li>• Electromagnetic fields (ionizing and non ionizing including cell phones)</li> <li>• Health hazards, Effects on health and pregnancy, Electromagnetics and cancer, Electromagnetics and central nervous system, Electromagnetic field and cancer, Safety measures</li> <li>• Management of electromagnetic exposure, Role of nurse</li> </ul>	Lecture, Discussion, case study, assignment	Short answer questions Long answer questions Multiple Choice question
XXI	05	<b><i>Care of patient with dental problems</i></b> <b><i>Must Know (04 Hours)</i></b> <ul style="list-style-type: none"> <li>• <i>Assessment of patient with dental problems</i></li> <li>• <i>Dental Examination</i></li> <li>• <i>Examination instruments and procedures</i></li> <li>• <i>Caries and its management</i></li> <li>• <i>Prevention and management of dental problems</i></li> <li>• <i>Malocclusions, infections and its management</i></li> </ul> <b><i>Desirable to Know (01 Hours)</i></b> <b><i>Root canal treatment including ultrasonic scaling</i></b>	<i>Lecture, Discussion and Supervised clinical practice</i>	<i>Short Answer Objective Type Essay Type</i>

**PRACTICUM:**

- 1) Case study – two(One medical & one surgical nursing)
- 2) Case Presentation – twoAny specialty i.e., ENT/Ophthalmology/Skin/Burns
- 3) Nursing care plans: i.e., Neurology/Orthopedic/Cardiology/Oncology
- 4) Clinical Evaluation Comprehensive Nursing Care: i.e., medical Nursing, Surgical Nursing, Critical Care Units

**\* The above have been added under the heading “Nursing management of patients with oncological disorders” Unit- XI and “Care of patient with dental problems” Unit- XXI, as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



# PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736  
NAAC Re-accredited with 'A' Grade

## SYLLABUS

### UG Programme- English

<b>Placement</b>	:	<b>First Year</b>		
<b>Teaching Hours</b>	:	<b>Theory 60 hours</b>	<b>Credit Hours</b>	: 02
		<b>Practical 15 hours</b>	<b>Credit Score</b>	: 0.5

**Course Description:** This course is designed to help the student understand and usage of English language required for their professional work.

#### OBJECTIVES:

After the course the students will develop:

1. Ability to speak and write grammatically correct English
2. Effective skill in reading and understanding the English language
3. Skill in reporting

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
I	15	<b>Remedial study of Grammar:</b> Must Know: (10Hours) <ul style="list-style-type: none"> <li>• Review of grammar, vocabulary and effective use of dictionary</li> </ul> Desirable to Know:(05 Hours) <ul style="list-style-type: none"> <li>• Prepare task oriented seminars, Symposia and panel discussion</li> </ul>	Lecture, Discussion, assignment	Short answer Multiple choice Question Long answer questions
II	10	Must Know: (10Hours) <ul style="list-style-type: none"> <li>• The ability to understand selected passage and express meaning in one's own words</li> <li>• Reading and comprehension of the prescribed books</li> </ul>	Lecture, Discussion, Assignment, supervised learning practice	Short answer, Multiple choice Question Long answer

III	25	<p><b>The study of various forms of composition</b>  <b>Must Know: (20Hours)</b></p> <ul style="list-style-type: none"> <li>• Note taking</li> <li>• Diary - Nurses notes, anecdotal records</li> <li>• Writing of summary</li> </ul> <p><b>Desirable to Know:(05 Hours)</b></p> <ul style="list-style-type: none"> <li>• The students will submit one sample of each item from his/her own practical experience</li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple choice Question Long answer questions
IV	15	<p><b>Verbal communication:</b>  <b>Must Know: (10Hours)</b></p> <ul style="list-style-type: none"> <li>• Note taking</li> <li>• Oral reports</li> <li>• Summarization of discussion</li> </ul> <p><b>Desirable to Know:(05 Hours)</b></p> <ul style="list-style-type: none"> <li>• Note taking</li> <li>• Debate</li> <li>• Listening comprehension – Film, Cassette and Radio</li> </ul>	Lecture, Discussion, symposium, panel discussion	Short answer questions Multiple choice Question Long answer questions



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## SYLLABUS

### UG Programme- Universal Human Values Personality Development

Placement : First Year  
Teaching Hours : Theory 30 hours Credit Hours : 01

Unit No.	Theory Hours	Content	Teaching Learning Method	Evaluation
I	30	Must know: 25 hours Introduction The Extended Family Society and the Community Managing one's Affairs with Rectitude of Conduct Rectitude of Conduct Creating Environments of Unity Built on Diversity Unity of Action Exercising Initiative in a disciplined and Creative Way Desirable to know: 5 hour Fostering Initiative	Lecture , Group discussion, workshop, role play.	Supervised clinical practice Clinical evaluation



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## SYLLABUS

### UG Programme- Sociology

**Placement : Second Year**  
**Teaching Hours : Theory 60 hours      Credit Hours : 04**

#### **COURSE DESCRIPTION:**

This course is to reorient students to sociology related to community of social institutions in India and its relationship with health, illness and nursing.

#### **OBJECTIVES:**

At the end of the course, the student will:

1. Describe sociological concepts applicable to nursing
2. Determine role of sociology in nursing as related to social institutes in India.
3. Develop positive attitudes towards individual family and community.

#### **COURSE CONTENT:**

Unit no	Theory Hours	Unit Content	Teaching Learning Activity	Evaluation
I	05	<p><b>Introduction of sociology to nursing:</b> Must know:(3 Hours)</p> <ul style="list-style-type: none"> <li>• Behavioral sciences, social sciences, arts and sciences meaning, fields and scope, their relationship with nursing</li> <li>• Concepts of social development and indicators of health, role of nurse as a social scientist and change agent in health for all.</li> <li>• Development of medical sociology – meaning, fields, scope, sociology and nursing methodology of sociology, sociology as science.</li> </ul> <p>Desirable to know:(1 Hours)</p> <ul style="list-style-type: none"> <li>• Meaning, definition, scope and</li> </ul>	Lecture, Discussion, seminar, demonstration, symposium.	Multiple choice, Short answer and Long answer questions

		<p>significance of sociology, contribution of August Comte, Durkheim, Max Weber, Maciver to the development of sociology.</p> <p>Nice to know:(1 Hour)</p> <ul style="list-style-type: none"> <li>• Contribution of Indian sociologists such as RadhakamalMukherjee,Ghury, KapadiahSrinivas.</li> <li>• Individual and society, their relationship with each other approaches to study their interdependent atomism and holism and contract theory.</li> </ul>		
II	15	<p><b>Fundamental concepts in sociology:</b></p> <p>Must know:(10 Hours)</p> <ul style="list-style-type: none"> <li>• Concepts its meaning, utility primary concepts in sociology institutions, association, organization meaning, definition, functions,comparison.</li> <li>• Groups – types, classification, meanings,definitions, characteristics of primary and secondary groups. Their comparison, ingroup, outgroup,reference group</li> <li>• Social groups crowds features, characteristics type, nature, formation of crowd, public, audience as a group, public opinion, nation, race</li> <li>• Society development of society from primitive, slavery, feudal, capitalist to complex.</li> <li>• Relevance of societal knowledge to health workers.</li> <li>• Human society and animal society comparison uniqueness of Human society language, adaptation of man to nature, environment, ecology from primitive to modern</li> </ul>	Lecture, discussion, symposium, assignment	Multiple choice, Short answer Long answer questions



		<p>development with reference to health practices.</p> <ul style="list-style-type: none"> <li>• Indian society: its peculiarities tribal community, rural community and comparison, pachayat raj doctrin of karma dharma artha and kama, moksa,ashram in traditional hindu society.</li> </ul> <p>Desirable to know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• Status and role – type, function, characteristics of status and role,relationship between status and role, doctor’s role, nurse’s role, patient’s role.</li> <li>• Concepts of structure and functions – elements definition meanings of structure and function, interdependence, social dysfunction causes.</li> <li>• Social system – definition, meanings characteristics, prerequisite of socialsystem, type of social system Social stratification – features, significance(or functions) and functional necessities if stratification forms of stratification – caste and class</li> </ul> <p>Nice know:(2 Hours)</p> <ul style="list-style-type: none"> <li>• Caste system unique feature of Indian social system, nature of caste system, hierarchy, segmental division, restrictions or taboos, civil and religious disabilities, limited choice of occupation, endogamy advantage maintaining partly of genes Dr. G.S. Guyrye’s contribution</li> <li>• Class system – division three upper, middle, lower, features, characteristics</li> <li>• Karl Marx’s theory of class</li> </ul>		
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		formation, distinction between class and caste.		
III	10	<p><b>Social Institutions:</b> Must know:(5 Hours)</p> <ul style="list-style-type: none"> <li>• Features, functions(role) meanings, definitions, distinction between institutions and community, institutions and association, institutions and society, various social institutions</li> <li>• Norms as social institutions, meaning, definitions, characteristics, classifications of norms</li> <li>• Mores, taboos, customs, folkways, fashion fads, laws institutionalize.</li> <li>• Marriage as institution, definition, meanings, nature, type, characteristics, forms of marriage, functions of marriage.</li> </ul> <p>Desirable to know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• Family as institution meaning, definitions, types, characteristics, functions or roles of family a basic unit or group of society</li> <li>• Family traditional and modern, Indian family, role of women in traditional and modern</li> <li>• Family, divorce, family problems, problem family.</li> <li>• Role of family in health, illness and diseases, family and nurse, role of family in the context of women's and children's health in India from girl, marriage, oldage. Religion institution, definition, meanings, basic components – a system of beliefs and rituals, ancient and modern concepts.Indian set up religion Hindu, Jain, Buddhism Islam,</li> </ul>	Lecture, Discussion, supervised clinical practice, project	Multiple choice, Short answer Long answer questions

		<p>Christianity. Nice to know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• Economic as Institution – meanings, definitions stages of economic life food gathering, pastoral, agricultural, industrial</li> <li>• Education Institutions – definitions, meanings, functions, roles, history of education and developments</li> <li>• Politics as institutions – definitions, meanings, functions, roles, changing pattern, emperor, democracy, govt. and role of state in health. Public health.</li> </ul>		
IV	05	<p><b>Culture:</b> Must know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• Planning definitions of culture in sociology and anthropological components, characteristics, origin and development of culture.</li> <li>• Nature and functions of culture variability ethnocentrism in culture.</li> </ul> <p>Desirable to know:(02 Hours)</p> <ul style="list-style-type: none"> <li>• Culture and health behavior.</li> <li>• Culture and personality, culture and civilization, cultural lag</li> <li>• Culture and society, patterns of culture, inventions and discovery.</li> </ul>	Lecture, Discussion, Panel Discussion, seminar, case study	Multiple choice, Short answer Long answer questions
V	05	<p><b>Social interactions:</b> Must know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• meanings, factors, influencing interaction, definition, Importance - Social process – meaning, definitions, cooperation, competition, conflicts, accommodation, assimilation, revolution and war.</li> </ul> <p>Desirable to know:(02 Hours)</p> <ul style="list-style-type: none"> <li>• Concepts of social control</li> </ul>	Lecture, Discussion, seminar, symposium	Multiple choice, Short answer Long answer questions

		meaning definition type of social control socialization, religion and sanctions, agencies of social control family, peer groups, schools, neighborhood, communication. Adult socialization, realization.		
VI	05	<p><b>Social change and progress –</b> Must know:(03 Hours)</p> <ul style="list-style-type: none"> <li>• Social change, meanings, definitions, factors influencing social change.</li> <li>• Causes of social change, theories, type – planned and natural.</li> <li>• Social change in India</li> <li>• Dr. M.N. Srinivas’s concept of sanskritization, westernization and modernization.</li> </ul> <p>Desirable to know:(02 Hours)</p> <ul style="list-style-type: none"> <li>• Education, urbanization, industrialization, development of transportation and communication.</li> <li>• Factors affecting social change – demographic, technological, agricultural development, economic, cultural, planned change.</li> </ul>	Lecture, Discussion, assignment, field visit	Multiple choice, Short answer Long answer questions
VII	15	<p><b>Disorganization and social problems:</b> Must know:(08 Hours)</p> <ul style="list-style-type: none"> <li>• Meaning and definition of organization and disorganization, causes of disorganization, types of disorganization – individual, family, community, effect of disorganization on Individual, family and community</li> <li>• Disorganization in the Society causes, type of crime, health related problems</li> <li>• Juvenile delinquency meaning, causes, children act,</li> </ul>	Lecture, Discussion, field visit, assignment	Multiple choice, Short answer Long answer questions

		<ul style="list-style-type: none"> <li>• Government remedial measures and NGO role in the management problem. Child abuse, child labour, related health problems.</li> </ul> <p>Desirable to know:(04 Hours)</p> <ul style="list-style-type: none"> <li>• Prostitution – meaning, history, type, causes welfare steps, health related problems.</li> <li>• Alcohol drug and substance abuse causes history, impact on adolescent, family. Health related problems</li> <li>• Poverty, unemployment, history causes Remedial measures, Health related problems</li> <li>• Beggary meaning, causes, history Remedial measures and health related problems.</li> </ul> <p>Nice to know:(02 Hours)</p> <ul style="list-style-type: none"> <li>• Population growth and related problems population explosion and causes, consequences of rapid growth, remedies to control the growth.</li> <li>• Eg. Population education, contraceptive, motivation, women’s education</li> <li>• Visit to available social agency</li> </ul>		
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## SYLLABUS

### UG Programme- Community Health Nursing

<b>Placement</b>	:	<b>Second Year</b>		
<b>Teaching Hours</b>	:	<b>Theory 60 hours</b>	:	<b>Credit Hours : 04</b>
		<b>Practical 240 hours</b>	:	<b>Credit Score : 08</b>

#### **Course Description:**

The course enables the students to acquire knowledge and understanding of the changing concepts of comprehensive community health nursing practice, the national health care delivery system and to participate in the delivery of community health nursing practice.

This course also broadens the understanding in public health nursing administration, responsibility of nurse for early case finding, health assessment and health education based on principles of primary health care, Nursing process approach and comprehensive nursing care to the individual, family and community.

#### **OBJECTIVES:**

At the end of the course the student will:

1. Explain the concept of various factors contributing the health of individual family and community
2. Explain and analyze health need of individual family and community based on factors contributing to health and illness
3. Describe national health care delivery system
4. Describes epidemiological methods and principles of prevention and control of illness in the community
5. Study implementation of national programmes and role of CHN in prevention and control of diseases
6. Identify the role of personnel working in the community health setup and appreciate the integrated approach to community health
7. Plan the work of community health nurse and supervise the health workers
8. Study concept of public health administration and role of nurse as manager and supervisor

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
I	08	<p><b>Introduction</b> Must Know: (4 Hours)</p> <ul style="list-style-type: none"> <li>• Community health and community health nursing</li> <li>• Determinants of health</li> <li>• Introduction to community health &amp; CH Nursing</li> <li>• Principles of working in a community</li> <li>• Primary health care: concepts and principles</li> <li>• Role of nurse in promoting primary health care</li> <li>• Health for all: concepts strategy for HFA</li> </ul> <p>Desirable to Know: (4 Hours)</p> <ul style="list-style-type: none"> <li>• Changing concepts of health</li> <li>• Community health assessment and diagnosis</li> <li>• <i>*Climate change and its impact on health</i></li> <li>• <i>*Air pollution and its impact on health</i></li> <li>• <i>*Heat wave and its impact on health</i></li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple choice Question Long Answer questions
II	10	<p><b>Family health care and services</b> Must Know: (10Hours)</p> <ul style="list-style-type: none"> <li>• Concepts, Objectives scope &amp; Principles of family health services.</li> <li>• Family as a unit of community health service.</li> <li>• Factors influencing family health and high risk families.</li> <li>• Family Health assessment, Health risk families.</li> <li>• Principles and technique of home visits.</li> <li>• Nursing process in family &amp; community health care. Establishing working relationship with the family.</li> <li>• Working with families in relation to</li> </ul>	Lecture, Discussion, assignment, family care study	Short answer questions Multiple choice Question Long Answer questions

		<p>prevention of disease and promotion of health.</p> <ul style="list-style-type: none"> <li>Care of sick &amp; care of physically handicapped and mentally retarded at home</li> <li>Family health records.</li> </ul>		
III	10	<p><b>Health administration in India</b> Must Know: (7 Hours)</p> <ul style="list-style-type: none"> <li>Health care delivery system in India.</li> <li>Health planning, National health policy and five years plan</li> <li>Organization and administration of health services at central, state, district level and rural health services (Panchayat Raj)</li> <li>Role of voluntary health organization &amp; International Health agencies</li> <li>Health team concept, Public health legislation</li> <li>Community Health Nursing Administration</li> <li>Role of health personnel in community health Practice</li> <li>Training Programmes for various health workers</li> <li>Management and supervision in community health nursing practice</li> </ul> <p>Desirable to Know: (3 Hours)</p> <ul style="list-style-type: none"> <li>Monitoring and evaluation and health services</li> <li>System of medicines</li> <li>Centrally sponsored health schemes</li> </ul>	Lecture, Discussion, assignment, field visit	Short answer questions Multiple choice Question Long Answer questions
IV	05	<p><b>Health Education</b> Must Know: (5 Hours)</p> <ul style="list-style-type: none"> <li>Health Education: (IEC- Information, Education, Communication)</li> <li>Aims, concepts and scope of health education</li> <li>Communication and health education</li> <li>Methods and media for health education in community</li> <li>Planning for health education and role of nurse in I.E.C.</li> </ul>	Lecture, Discussion, assignment, project	Short answer questions Long answer questions Multiple choice Question



		<ul style="list-style-type: none"> <li>Central Health Education Bureau</li> </ul>		
V	15	<p><b>National Health Programmes</b> Must Know: (15 Hours)</p> <ul style="list-style-type: none"> <li>Role of nurse in national health programmes:</li> <li>Development of community health services in India</li> <li>Major health problem in India</li> <li>National health programme for communicable and Non-communicable disease</li> <li>Maternal and child health programme</li> <li>Nutritional programme, National health policy 2017</li> <li>Family welfare</li> <li>School health Programme</li> <li>Occupational Health Programme</li> <li>Disaster Management</li> <li>As a health team members</li> <li>Records/reports in Community health</li> </ul>	Lecture, Discussion, Field visit, assignment	Short answer questions Long answer questions Multiple choice Question
VI	07	<p><b>Epidemiology</b> Must Know: (7Hours)</p> <ul style="list-style-type: none"> <li>Epidemiology: Definition, Concepts, aims, objectives and methods and Principles</li> <li>Epidemiology: Theories and Models</li> <li>Application of Epidemiological Principles in community health</li> <li>Monitoring and surveillance</li> <li>Levels of prevention of disease</li> <li><b><i>Epidemiology and nursing management of COVID 19 disease, Impact of COVID 19 pandemic on psychosocial health</i></b></li> </ul>	Lecture, Discussion, survey, assignment	Short answer questions Long answer questions Multiple choice Question
VII	05	<p><b>Bio statistics and vital statistics</b> Must Know: (3 Hours)</p> <ul style="list-style-type: none"> <li>Bio-statistics and vital statistics:</li> <li>Introduction, definition and scope, legislation.</li> <li>Definitions and methods of computing vital statistics.</li> <li>Methods of presenting data.</li> </ul>	Lecture, Discussion, project	Short answer questions Long answer questions Multiple choice Question

		<ul style="list-style-type: none"> <li>• Management Information System.</li> </ul> Desirable to Know: (2 Hours) <ul style="list-style-type: none"> <li>• Report, recording and compiling of vital statistics at the local State, National and International level.</li> </ul>		
VIII	05	<i>*MLHP –Middle Level Health Care provider:</i> <ul style="list-style-type: none"> <li>• <i>Concept, role and responsibilities</i></li> <li>• <i>Public and primary health care skills</i></li> </ul>	Lecture Discussion	MLHP log book

**Practical:**

1. Clinical Evaluation: (family oriented care Urban Area)
2. Community Health Survey & Community diagnosis Family Health Care Study (Urban & Rural settings)
3. School Health Programme
4. Health Education
5. Rural Public Health (as per guideline)

**\* The above have been added under the heading "Introduction" Unit- I, "Epidemiology" Unit- VI, "MLHP - Middle Level Health Care provider" Unit- VIII, as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**

**\*Integration of Middle Level Health Provider in Post Basic BSc nursing curriculum**

**Subject: COMMUNITY HEALTH NURSING**

**Placement: II Year (in Practical hours of 240 hours)**

**Hours of Instruction: Theory & Practical: 75 hours**

<b>Unit No.</b>	<b>Hours</b>	<b>Unit Content</b>	<b>Teaching Learning methods</b>	<b>Evaluation</b>
<b>II</b>	<b>75</b>	<p><b>MLHP – Middle Level Health Care provider</b></p> <p>:</p> <ul style="list-style-type: none"> <li>• Concept, role and responsibilities</li> <li>• Role and responsibilities of Mid Level Healthcare Providers (MLHP)</li> <li>• New National health programmes</li> <li>• AYUSHMAN BHARAT- The up gradation of subcentres into of health and wellness centres, Concept of Comprehensive primary health care and key elements of CPHC, Services delivery and continuum of care and Role of Mid-level health care providers (MLHP)</li> <li>• Diagnosing and treatment skills essential at sub centre level using Standard treatment protocols as per national health programmes</li> <li>• Introduction to Rashtriya Bal Sureksha Karyakaram (RBSK)</li> <li>• Social mobilization skills</li> <li>• Drug dispensing</li> <li>• Programme management including supervision and monitoring</li> <li>• Investigation of an outbreak</li> <li>• Behavior change communication and soft skills</li> <li>• Integrated Disease Surveillance Project (IDSP)</li> <li>• Mother and Child Tracking System (MCTS)</li> <li>• Chikungunya</li> <li>• Organization of Labour room</li> <li>• Safe child birth checklist</li> </ul>	<p>Lecture, Discussion</p> <p>Supervised clinical practice</p> <p>Visits to Sub center, Health and Wellness center, Public health department, Sewage disposal plant, Biomedical waste management</p>	<p>Objective type Essay type</p> <p>Practical and viva voce</p>

	<ul style="list-style-type: none"> <li>• <i>Postpartum visits by health workers</i></li> <li>• <i>Family planning 2020</i></li> <li>• <i>National family planning programmes</i></li> <li>• <i>Food borne diseases</i></li> <li><b><i>Topics for review</i></b></li> <li>• <i>Health planning and health care delivery system in India (IPHS guidelines)</i></li> <li>• <i>Health Management Information system (HMIS)</i></li> <li>• <i>Electronics Medical Records (EMR)</i></li> <li>• <i>Micro birth planning</i></li> <li>• <i>Adolescent counseling</i></li> <li>• <i>Sources of vital statistics</i></li> <li>• <i>Financial Management , Accounts and Comparing at Sub Centre</i></li> <li>• <i>Mental health act, drug de-addiction programmes</i></li> <li>• <i>Time trends in disease occurrence in epidemiology</i></li> <li>• <i>Infant and young child feeding and counseling</i></li> <li>• <i>Nutrition across life cycle and update on National nutritional programmes</i></li> <li>• <i>Use of Equipment</i></li> <li>• <i>Throat problems and febrile seizure in children</i></li> <li>• <i>Transportation of baby and common accidents and mishaps in labour room</i></li> <li>• <i>Counseling –GATHER Approach</i></li> <li>• <i>Update biomedical waste management by specifying biomedical waste management rules 2016</i></li> <li>• <i>Suturing of superficial wounds</i></li> <li>• <i>Postpartum Intra Uterine Contraceptive Device (PPIUCD)</i></li> <li>• <i>All the national health programmes on Communicable, Non Communicable.</i></li> </ul>		
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**\* The above have been added under the heading “Integration of Middle Level Health Provider in Post Basic BSc nursing curriculum, as per Academic Council Resolution No. AC/2020/D-13 (iii), dated 11.12.2020 and Notification No. 27/2021 of PIMS (DU).**



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## SYLLABUS

### UG Programme- Mental Health Nursing

<b>Placement</b>	<b>:</b>	<b>Second Year</b>		
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 65 hours</b>	<b>Credit Hours</b>	<b>: 04</b>
		<b>Practical 240 hours</b>	<b>Credit Score</b>	<b>: 08</b>

#### COURSE DESCRIPTION:

This course enables the students to recognize and appreciate the causes, symptoms and process of abnormal human behavior. It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior. This course helps the student to learn principles of mental health and psychiatric nursing and to develop skills in the management of the mentally ill in hospital and community.

Unit no	Theory Hours	Unit Content	Teaching Learning Activity	Evaluation
I	05	<p><b>Introduction and historical development</b> Must Know : (03Hours)</p> <ul style="list-style-type: none"> <li>• Review of the concept of mental health and illness &amp; mental mechanisms.</li> <li>• Principles of mental health and psychiatric nursing.</li> <li>• Concept of normal and abnormal behavior.</li> <li>• Role and qualities of mental health and psychiatric nurse</li> <li>• Mental health team and functions of team members.</li> </ul> <p>Desirable to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Theoretical approaches to Psychiatric Nursing.</li> <li>• Legal aspects in psychiatry and</li> </ul>	Lecture, Discussion, seminar	Multiple choice, Short answer and Long answer questions

		<p>mental health services. Nice to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• History of psychiatry</li> <li>• Philosophy of Psychiatric nursing</li> <li>• Historical development of mental health nursing.</li> </ul>		
II	05	<p><b>Classification and assessment of mental disorder</b> Must know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Terminologies used in Psychiatry</li> <li>• Classification of mental disorders</li> <li>• ICD- 10 classification</li> <li>• Etiology, History taking and mental status examination.</li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Factors and psychopathology of mental disorders</li> </ul>	Lecture, discussion, assignment	Multiple choice, Short answer Long answer questions
III	04	<p><b>Therapeutic communication</b> Must know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Communication process</li> <li>• Interview skill, Therapeutic communication techniques.</li> <li>• Nurse patient Relationship.</li> </ul> <p>Desirable to know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Therapeutic impasse and its management, Process recording.</li> </ul>	Lecture, Discussion, group activity	Multiple choice, Short answer Long answer questions
IV	25	<p><b>Management of mental disorders</b> Must Know: (20Hours)</p> <ul style="list-style-type: none"> <li>• Etiological, factors, psychopathology, types, clinical features diagnostic criteria, treatment and nursing management of patient with following disorders.</li> <li>○ Neurotic Disorders:</li> <li>○ Anxiety disorders General &amp; Panic</li> <li>○ Depressive Neurosis, Obsessive Compulsive</li> </ul>	Lecture, Discussion, Panel Discussion, seminar, care plan, case study, case presentation.	Multiple choice, Short answer Long answer questions

		<p>Neurosis, Phobic Neurosis, Psychotic Disorders:</p> <ul style="list-style-type: none"> <li>○ Schizophrenic disorders, Affective disorders, Organic Brain Syndromes – acute &amp; chronic</li> <li>○ Psychosomatic disorders, Personality disorders</li> <li>● <b>Sexual disorders:</b> Normal sexuality, Sexual behavior, Normal sexual cycle, Difference in erotic stimuli, masturbation, sexual learning in childhood, psychosexual factors, Sexual disorder and their management, Sexual disorder not otherwise classified</li> <li>● Disorders of childhood</li> <li>○ Attention deficit disorders, Conduct disorders</li> </ul> <p>Desirable to know: (05Hours)</p> <ul style="list-style-type: none"> <li>○ Hypochondriacal Neurosis.</li> <li>○ Stress related and Somatoform disorders, Hysterical disorder.</li> <li>● Disorders of childhood:</li> <li>○ Specific developmental disorders, Pervasive developmental disorders,</li> <li>○ Enuresis &amp; Encopresis,</li> <li>○ Speech Disorders, Habit disorders, other disorders.</li> <li>○ Adolescent disorders – Attention deficit hyper activity disorder,</li> <li>○ Conduct disorder, substance abuse, depression and suicide, eating disorders, running away.</li> <li>○ Epileptic disorders, Sleep disorders</li> </ul>		
V	03	<p><b>Management of patient with substance use disorders</b></p> <p>Must Know: (02Hours)</p> <ul style="list-style-type: none"> <li>● Substance use and misuse</li> </ul>	Lecture, Discussion, seminar, symposium, supervised clinical practice	Multiple choice, Short answer

		<ul style="list-style-type: none"> <li>• Dependence, intoxication and withdrawal</li> <li>• Classification of psychoactive substances</li> <li>• Etiological &amp; contributory factors</li> <li>• Clinical features, Treatment and nursing management of patient with substance usedisorders.</li> </ul> <p>Desirable to know:(01Hour)</p> <ul style="list-style-type: none"> <li>• Diagnostic criteria, Preventive and rehabilitative aspects in substance abuse, Psychopathology</li> </ul>		Long answer questions
VI	02	<p><b>Management of mental sub-normality / mentally challenged</b> Must Know: (01 Hour)</p> <ul style="list-style-type: none"> <li>• Classification of mental sub-normality</li> <li>• Etiological factorsand management of sub-normality</li> </ul> <p>Desirable to know: (01Hour)</p> <ul style="list-style-type: none"> <li>• Psychopathology, Psychometric assessment, Diagnostic criteria</li> </ul>	Lecture, Discussion, supervised clinical practice	Multiple choice, Short answer Long answer questions
VII	04	<p><b>Psychiatric emergencies</b> Must Know: (02Hours)</p> <ul style="list-style-type: none"> <li>• Types of emergencies</li> <li>• Clinical feature, Assessment and diagnosis, Treatment and nursing management of patient with psychiatric emergencies such as Suicide, Aggression, Crisis Intervention therapy.</li> </ul> <p>Desirable to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Psychopathology, Stupor &amp; Catatonic syndrome, other psychiatric emergencies</li> </ul>	Lecture, Discussion, supervised clinical practice	Multiple choice, Short answer Long answer questions
VIII	12	<p><b>Therapeutic modalities</b> Must Know: (06Hours)</p> <ul style="list-style-type: none"> <li>• Principles, indication, contraindications and role of</li> </ul>	Lecture, Discussion, demonstration, field visit	Multiple choice, Short answer and



		<p>nurse in various treatment method:</p> <ul style="list-style-type: none"> <li>• Pharmacotherapy, Therapeutic community and Milieu therapy</li> <li>• Electro-convulsive therapy, Behavior therapy</li> </ul> <p>Desirable to know: (06Hours)</p> <ul style="list-style-type: none"> <li>• Psychotherapy psychoanalysis, Cognitive Therapy, Supportive Therapy, Hypnosis, Abreaction, Relaxation Therapies,</li> <li>• Group therapy, Family therapy, Occupational Therapy, Biofeedback</li> <li>• Miscellaneous therapies.</li> </ul>		Long answer questions
IX	05	<p><b>Preventive psychiatry</b> Must Know: (03Hours)</p> <ul style="list-style-type: none"> <li>• Role of nurse in preventive psychiatry,</li> <li>• Community mental health nursing, Community mental health Services and agencies, National mental health programme.</li> </ul> <p>Desirable to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Model of prevention, Psychiatric social worker</li> </ul>	Lecture, Discussion, assignment	Multiple choice, Short answer Long answer questions

**PRACTICUM:**

1. History Taking: Two
2. MSE: Two
3. Process recording: Two
4. Nursing care plan: Two
5. Clinical performance evaluation (Male or female ward)
6. Case study: One
7. Case presentation: One
8. Drugs study
9. Health Education





# PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736  
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## SYLLABUS

### UG Programme- Introduction to Nursing Education

<b>Placement</b>	<b>:</b>	<b>Second Year</b>			
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 60 hours</b>	<b>Credit Hours</b>	<b>:</b>	<b>04</b>
		<b>Practical 75 hours</b>	<b>Credit Score</b>	<b>:</b>	<b>02</b>

#### COURSE DESCRIPTION:

This course introduces the students to Principles and concepts of Education, curriculum development and methods and media of teaching. It also describes the step the steps in curriculum development and implementation of educational programme in Nursing.

#### OBEJCTIVES

At the end of the course, the students will:

1. Describe the philosophy and principles of education
2. Describe the process of a nursing curriculum development
3. Explain the teaching learning process
4. Develop the ability to teach, using various methods and media
5. Describe the process of assessment
6. Describe the administrative aspects of school of nursing, College of Nursing
7. Develop basic skills in counseling and guidance
8. Participate in planning and organizing an in-service education programme

#### COURSE CONTENT:

Unit No.	Theory Hours	Content	Teaching Learning Method	Evaluation
I	5 hours	<b>Introduction to education</b> Must know:4 hours <ul style="list-style-type: none"> <li>• Meaning, aims, function and principles</li> <li>• Philosophy of education</li> <li>• Nursing profession –Definition, concept, importance and characteristics of nursing profession</li> <li>• Development of nursing education in</li> </ul>	Lecture Group discussion Seminar	Short answers Multiple choice Question Long answer Question

		<p>India before and after independence</p> <ul style="list-style-type: none"> <li>• Nursing education programmes in India – Basic, Post Certificate, Degree, post graduation and Ph. D.</li> <li>• High power committee recommendations for nursing education</li> <li>• Qualities, role and responsibilities of a nursing teacher</li> </ul> <p>Desirable to know:1 hour</p> <ul style="list-style-type: none"> <li>• Factors influencing development of philosophy of Nursing education</li> </ul>		
II	8 hours	<p><b>Nursing curriculum development:</b></p> <p>Must know:6 hours</p> <ul style="list-style-type: none"> <li>• Organization of Nursing Curriculum</li> <li>• Development of Nursing Curriculum.</li> <li>• Curriculum types</li> <li>• Curriculum Committee</li> <li>• Curriculum planning</li> </ul> <p>Desirable to know:2 hours</p> <ul style="list-style-type: none"> <li>• Formulating philosophy and objectives.</li> <li>• Selecting learning experiences and clinical components of nursing education.</li> <li>• Evaluation of curriculum</li> </ul>	Lecture Group discussion Seminar	Short answers Multiple choice Question Long answer Question
III	5 hours	<p><b>Teaching learning process:</b></p> <p>Must know:4 hours</p> <ul style="list-style-type: none"> <li>• Meaning of education, aims, functions and principles of teaching</li> <li>• Principles and maxims of teaching</li> <li>• Formulating objectives</li> <li>• Lesson planning</li> </ul> <p>Desirable to know: 1 hour</p> <ul style="list-style-type: none"> <li>• Nature and characteristics of learning</li> </ul>	Lecture Group discussion Seminar	Short answers Multiple choice Question Long answer Question

IV	10 hours	<p><b>Methods of teaching:</b> Must know:8 hours</p> <ul style="list-style-type: none"> <li>• Definition, Purposes, Advantages, Disadvantages, Steps, Procedures, Evaluation of</li> <li>• Lecture, Discussion, Demonstration, Group Discussion, Project, Role – Play, Panel discussion, Symposium, Seminar, Workshop</li> <li>• Programmed instructions</li> <li>• Computer assisted learning</li> <li>• Clinical teaching methods</li> <li>• Case methods, Case presentation, Nursing rounds &amp; Reports</li> </ul> <p>Desirable to know:2 hours</p> <ul style="list-style-type: none"> <li>• Field Trip, Exhibition</li> <li>• Bedside clinics, Conference (Individual &amp; group)</li> <li>• Recording of interaction process</li> </ul>	Lecture, discussion Seminar, assignment, project	Short answers Multiple choice Question Long answer Question
V	5 hours	<p><b>Educational technology:</b> Must know:4 hours</p> <ul style="list-style-type: none"> <li>• Educational Media</li> <li>• The communication process, factors affecting communication</li> <li>• Purposes and types of audio visual aids</li> <li>• Graphic aids, Chalk board, Charts, Graphs, Posters, Flash cards, flannel graph/ Bulletin</li> <li>• Three demonstrational aid, objects, specimen, models, Puppets</li> <li>• Printed aids – slides, films and televisions,</li> <li>• Overhead projector, Audio aids, Tape recorder, public address system, system computer</li> </ul> <p>Desirable to know:1 hour</p> <ul style="list-style-type: none"> <li>• VCR, VCP, cartoon,Khadigraph, camera, microscope.</li> </ul>	Lecture Group discussion Seminar, assignment, project	Short answers Multiple choice Question Long answer Question

VI	10 hours	<p><b>Methods of assessment</b> Must know:8 hours</p> <ul style="list-style-type: none"> <li>• Purpose and scope of Evaluation &amp; assessment</li> <li>• Criteria for selection of assessment techniques &amp; methods Blue Prints</li> <li>• Assessment of knowledge, Long answer Question questions, SAQ (Short Answer Question), LAQ (Long Answer Question), MCQ (Multiple Choice Question)</li> <li>• Assessment of skills: Observation, checklist, practical examination, Viva.</li> <li>• Objective structured clinical examination.</li> <li>• Setting of question paper, Scoring of Answer paper</li> </ul> <p>Desirable to know:2 hours</p> <ul style="list-style-type: none"> <li>• Assessment of attitudes, Reforms in nursing Educational system.</li> </ul>	Lecture Group discussion Seminar, assignment, demonstration	Short answers Multiple choice Question Long answer Question
VII	8 hours	<p><b>Management of school of nursing:</b> Must know:6 hours</p> <ul style="list-style-type: none"> <li>• Planning and organizing of school of Nursing</li> <li>• Recruitment of teaching staff</li> <li>• Budget facilities for the school</li> <li>• Students selection and admission procedure</li> <li>• Administrative planning for students</li> <li>• Maintenance of school Records</li> <li>• INC guidelines for school of nursing.</li> </ul> <p><b>Desirable to know:2 hour</b></p> <ul style="list-style-type: none"> <li>• Welfare service for students</li> <li>• Preparation of annual reports</li> </ul>	Lecture, discussion Seminar, field visit	Short answers Multiple choice Question Long answer Question
VIII	4 hours	<p><b>Guidance and Counseling</b> Must know:3 hours</p> <ul style="list-style-type: none"> <li>• Definition and basic principles</li> <li>• Organization of guidance &amp; counseling</li> <li>• Counseling process</li> </ul>	Lecture, discussion, assignment, role play	Short answers Multiple choice Question Long answer

		Desirable to know:1 hour <ul style="list-style-type: none"> <li>Managing disciplinary problems</li> <li>Management of crisis.</li> </ul>		Question
IX	5 hours	<b>Inservice education:</b> Must know:4 hours <ul style="list-style-type: none"> <li>Introduction to nature and scope of in-service education programmes.</li> <li>Principles of adult learning</li> <li>Planning for in-service programme</li> <li>Evaluation of in-service programme.</li> </ul> Desirable to know: 1 hour <ul style="list-style-type: none"> <li>Techniques and methods of staff education programme.</li> </ul>	Lecture, discussion Assignment	Short answers Multiple choice Question Long answer Question

**PRACTICUM:**

1. Practice Teaching: 5

Theory Teaching: 3

Clinical Teaching: 2

2. Visits to Nursing colleges and schools

3. To prepare different types of teaching Aids.

4. To prepare rotation plans

5. Study various Nursing Programme syllabus

6. To plan, organize and conduct 'one' in- service education programme



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## SYLLABUS

### UG Programme- Administration of Nursing Services & Education

Placement : Second Year  
 Teaching Hours : Theory 60 hours      Credit Hours : 04  
    Practical 180 hours      Credit Score : 06

**Course Description:** This course is designated to give an opportunity to the students to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the students to develop an understanding of the need for professional leadership

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
<b>I</b>	<b>10</b>	<p><b>Principle and practice of administration</b>            Must know: (07 hours)</p> <ul style="list-style-type: none"> <li>• Significance, elements and Principles of Administration.</li> <li>• Planning, Organization, Staffing, Directing, Reporting, Budgeting</li> <li>• Ethical and legal aspects of hospital administration.</li> <li>• Policies of Hospital, different departments with special emphasis to the department of nursing office management, Nursing management.</li> </ul> <p>Desire to know: (02 hours)</p> <ul style="list-style-type: none"> <li>• Controlling, Coordinating</li> <li>• Administration and Organization of Hospital. Definition, Aims, Functions &amp; roles of the hospital</li> <li>• Classifications of Hospitals Health Team.</li> </ul> <p>Nice to know: (01 hour)</p>	Lecture Group discussion Seminar	Short answers Multiple choice Question Long answer Question



		<ul style="list-style-type: none"> <li>Responsibilities of nursing personnel, specially of ward sister,</li> <li>Medico–legal aspects, Concept of cost effectiveness</li> </ul>		
II	10	<p><b>Physical Layout of a Nursing Unit</b> Must of know: (07 hours)</p> <ul style="list-style-type: none"> <li>Necessary facilities</li> <li>Factors affecting the quality of nursing care, Maintenance of a therapeutic environment, Administration of the nursing unit, Management of patient care, Maintenance of the Physical environment, Delivery of patient care</li> <li>Assignment of duties and time plan</li> <li>Patient assignment, Discharge Planning, Safety measures, prevention of accidents and infections.</li> </ul> <p>Desire to know: (03 hours)</p> <ul style="list-style-type: none"> <li>Maintenance of patient’s records and reports, legal responsibilities.Maintenance of quality nursing care.</li> <li>Nursing audit.</li> </ul>	Lecture Group discussion Assignment Seminar	Short answers Multiple choice Question Long answer Question
III	10	<p><b>Personnel management</b> Must to know: (07 hours)</p> <ul style="list-style-type: none"> <li>Significance of Personnel management Staff recruitment and selection process appointment, promotions, transfers, remunerations, retraining, terminating</li> <li>Personnel policies, Job specifications, Job description, Job Analysis, Staffing the unit, Staffing, Philosophy</li> <li>Staffing norms, Staffing Modules</li> <li>Patient Classification System</li> <li>Rotation plan, Leave planning</li> </ul>	Lecture Group discussion Seminar, assignment	Short answers Multiple choice Question Long answer Question

		<p>Desire to know: (03 hours)</p> <ul style="list-style-type: none"> <li>• Performance appraisal</li> <li>• Purposes of performance appraisal</li> <li>• Developing and using standards</li> <li>• Training Feedback, Career Counseling, Staff welfare activities</li> <li>• Management of Disciplinary problems, Human resource development, Health team approach</li> <li>• Collective Bargaining, Conflicts and its solutions</li> </ul>		
IV	9	<p><b>Supervision</b>  Must know: (05 hours)</p> <ul style="list-style-type: none"> <li>• Definition, nature, need, philosophy and objectives of supervision</li> <li>• Principles of supervision, Tools and techniques of supervision, Staff Development, Orientation program</li> <li>• In service education, Continuing Education, Skill training</li> <li>• Assertiveness, Training for assertiveness</li> </ul> <p>Desirable to know: (02 Hours)</p> <ul style="list-style-type: none"> <li>• Public speaking skills, Leadership development, Problem solving process, Evaluation</li> <li>• Nursing audit</li> </ul>	Lecture, discussion Supervised clinical practice	Short answers Multiple choice Question Long answer Question)
V	9	<p><b>Material management</b>  Must know: (5 hours)</p> <ul style="list-style-type: none"> <li>• Concept, need, Principles of Material management, Role of Nursing personnel in Material management</li> </ul> <p>Desirable to know: (04 hours)</p> <ul style="list-style-type: none"> <li>• Quality control, Inventory</li> <li>• Care of equipments Stock keeping</li> </ul>	Lecture, discussion Field visit, Seminar	Short answers Multiple choice Question Long answer Question

VI	3	<b>Budgeting</b> Must know: (03 hours) <ul style="list-style-type: none"> <li>• Nature and purposes of Budgeting</li> <li>• Types of Budget, Principles of Budgeting, Financial Audits</li> </ul>	Lecture, discussion Assignment	Short answers Multiple choice Question Long answer
VII	9	<b>Organizational behavior:</b> Must know: (05 hours) <ul style="list-style-type: none"> <li>• Group dynamics, Human relations</li> <li>• Morale Building, Organization Communication, Hospital Information system, Public relations in Hospitals</li> </ul> Desired to know: (02 hours) <ul style="list-style-type: none"> <li>• Leadership –Concepts, Manager behavior, Leader behavior Leadership – defined, Leadership Theories – Behavioral, Situational</li> <li>• Leadership styles and functions, Transformational leadership, Qualities of a leader</li> </ul> Nice to know: (01 hour) <ul style="list-style-type: none"> <li>• Methods of reporting, Maintaining records and reports.</li> </ul>	Lecture, discussion Assignment, group activity	Short answers Multiple choice Question Long answer Question

**PRACTICUM:**

- Observe the functioning of Nursing administration at various levels i.e., Institutions, departments and units.
- Each student will practice ward management under supervision
- Student will prepare rotation plan of the staff duties, write reports, give verbal reports of the ward and assist in the maintaining the inventory of the nursing unit
- Develop an Assessment tool for performance appraisal
- Visit Private and Government Hospital and write observation reports
- Student will present one seminar during administration experience

**Note:** Visits for Nursing administration and Nursing Education may be planned together.



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## SYLLABUS

### UG Programme- Introduction to Nursing Research & Statistics

<b>Placement</b>	<b>:</b>	<b>Second Year</b>		
<b>Teaching Hours</b>	<b>:</b>	<b>Theory 45 hours</b>	<b>Credit Hours</b>	<b>: 02</b>
		<b>Practical 120 hours</b>	<b>Credit Score</b>	<b>: 04</b>

**Course Description:** This course is designed to assist the student to develop an understanding of the basic concepts principles of research and scientific inquiry including the identification of problem and steps in research methodology. This course also introduces the basic concepts, and principles of Statistical methods, the use of computers in conducting research project in groups and use the finding in nursing practice.

Unit no.	Theory hrs	Unit Content	Teaching Learning Methods	Evaluation
I	2	<b>Introduction</b> Must know: 2 hours <ul style="list-style-type: none"> <li>• Introduction: Research definition</li> <li>• Problem solving and scientific method, Method of acquiring knowledge, Research characteristics, purpose, scope, Steps in Research methodology.</li> </ul>	Lecture, Discussion Assignment	Short answer questions Multiple Choice Question
II	4	<b>Research and nursing</b> Must know: 3 hours <ul style="list-style-type: none"> <li>• Purpose, scope and need of nursing research</li> <li>• Areas of nursing research i.e. practice, service, administration and education, health and social research</li> <li>• Ethics in research</li> </ul> Desirable to know: 1 hour <ul style="list-style-type: none"> <li>• Development of research in nursing</li> </ul>	Lecture, Discussion, assignment	Short answer questions Multiple Choice Question



III	3	<b>Research design</b> Must know: 3 hours <ul style="list-style-type: none"> <li>• Overview of research process</li> <li>• Statement of the problem and research objectives</li> <li>• Definitions of terms variables, assumptions, operational definition, limitation, delimitation.</li> <li>• Hypothesis definitions, formulation and types.</li> </ul>	Lecture, Discussion Assignment	Short answer questions Multiple Choice Question
IV	2	<b>Review of literature</b> Must know: 2 hours <ul style="list-style-type: none"> <li>• Search for library resources</li> <li>• Criteria for selection of resources</li> <li>• Practical application of review of literature</li> </ul>	Lecture, Discussion Literature search	Short answer questions Long answer Multiple Choice Question
V	4	<b>Research approaches</b> Must know: 3 hours <ul style="list-style-type: none"> <li>• classification &amp; types</li> <li>• Non experimental</li> <li>• Survey: characteristics, types, advantages and disadvantages</li> <li>• Experimental: characteristics, types, advantages and disadvantages</li> </ul> Desirable to know: 1 hour <ul style="list-style-type: none"> <li>• Historical: sources of data, characteristics, advantages and disadvantages</li> </ul>	Lecture, Discussion, assignment	Short answer questions Long answer questions Multiple Choice Question
VI	2	<b>Sample &amp; sampling technique:</b> Must know: 2 hours <ul style="list-style-type: none"> <li>• Definition of population and sample</li> <li>• Sampling and randomness; kinds and size of samples</li> <li>• Probability and non probability sample.</li> </ul>	Lecture, Discussion Assignment	Short answer Long answer questions Multiple Choice Question
VII	7	<b>Methods of collecting data:</b> Must know: 5 hours <ul style="list-style-type: none"> <li>• Preparation of tools</li> <li>• Types of instruments for data collection             <ol style="list-style-type: none"> <li>a) Questionnaire : Opinionnaire, Interview schedule</li> <li>b) Observation: records, observation</li> </ol> </li> </ul>	Lecture, Discussion Group activity, assignment	Short answer Long answer questions Multiple Choice Question

		<p>checklist, rating scales.</p> <p>c) Measurements : Physiological measurement, Physical, Chemical, Microbiological etc.,</p> <ul style="list-style-type: none"> <li>• Characteristics of good research tool</li> <li>• Testing reliability and validity of tool</li> </ul> <p><b>Desirable to know: 2 hour</b></p> <ul style="list-style-type: none"> <li>• Machineries, video tapes, films, closed circuit T.V. etc.</li> <li>• Psychological measurement Psychomotor skill test,</li> <li>• personality test, Intelligence test, Sociological test, Socio-economic standard scale, Sociometry, Health status measurement</li> </ul>		
VIII	2	<p><b>Implementing research plan:</b> Must know: 2 hours</p> <ul style="list-style-type: none"> <li>• Data collection procedure and conditions for administration of tool.</li> </ul>	Lecture, Discussion Journal presentation	Short answer Multiple Choice Question
IX	2	<p><b>Data analysis and interpreting:</b> Must know: 2 hours</p> <ul style="list-style-type: none"> <li>• Types of data, data organization, tabulation, analysis and summarization</li> <li>• Structure of statistical methods : interpretation and presentation of data</li> </ul>	Lecture, Discussion Assignment	Short answer Long answer questions Multiple Choice Question
X	2	<p><b>Communication of research finding</b> <b>Must know: 2 hour</b></p> <ul style="list-style-type: none"> <li>• Writing research report: composition, organization and format</li> <li>• Application of results; critical analysis of research report and public</li> </ul>	Lecture, Discussion Assignment	Short answer Long answer questions Multiple Choice Question
XI	8	<p><b>Descriptive statistic</b> Must know: 8 hours</p> <ul style="list-style-type: none"> <li>• Frequency distribution</li> <li>• Types of measure: frequencies, class interval, graphic</li> <li>• Methods of describing frequency</li> <li>• Measures of central tendency: Mode, Median and Mean</li> <li>• Measures of variability: range,</li> </ul>	Lecture, Discussion Assignment, group activity	Short answer Long answer questions Multiple Choice Question

		Standard deviation <ul style="list-style-type: none"> <li>• Introduction to normal probability</li> <li>• Correlation: Computation by rank difference methods</li> <li>• Uses of correlation coefficient</li> </ul>		
XII	2	<b>Biostatistics</b> Must know:2 hours <ul style="list-style-type: none"> <li>• Crude rates and standardized rates, ratio and estimation of the trends</li> </ul>	Lecture, Discussion	Short answer Long answer Multiple Choice Question
XIII	5	<b>Introduction to computers in nursing</b> Must know:4 hours <ul style="list-style-type: none"> <li>• Basics of hardware and software</li> <li>• Windows application Word, Excel and Power Point</li> </ul> Desirable to know:1 hour <ul style="list-style-type: none"> <li>• Introduction to Database</li> </ul>	Lecture, Discussion Assignment, project	Short answer Long answer questions Multiple Choice Question

**PRACTICUM:**

- Selecting and conducting small group research project (The number of students in a group can be decided depending on the availability of Nursing faculty and interest of the students)
- Group studies may include, studying existing health problem and practices, Nursing procedures, Health records, patients records and survey of nursing literature.

**Practicals:**

- Research Project Report
- Research Project Viva





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## SYLLABUS UG Programme- Bioethics

**Placement** : Second Year  
**Teaching Hours** : Theory 30 hours      **Credit Hours** : 02

**Course Description:** The Course is designed to enable students to develop an understanding the concepts of bioethics.

Unit No.	Theory Hours	Content	Teaching Learning Method	Evaluation
I	12 hours	<p><b>Introduction</b> Must know: 10 hours 5 hours</p> <p>1. Medical Bioethics: Introduction [Definition- Bioethics, Medical bioethics, scope and fundamentals of bioethics, Religions and fundamentals bioethics, Medical bioethics areas in practice, Historical aspects of Medical ethics, Values in medical bioethics]</p> <p>2. Autonomy, Beneficence and Non-maleficence [Autonomy, Beneficence, Non-maleficence – Definition, principles and scope for medical students, Double effect and Principle of double effect , Conflicts between autonomy and beneficence/non-maleficence, Respect for human rights]</p> <p>3. Medical confidentiality [Medical confidentiality- Definition , fundamentals of medical confidentiality ]</p> <p>4. Nuremberg Code [ Definition, History of Nuremberg Code , 10 points of Nuremberg Code , The Declaration of Helsinki , Revision of declaration of</p>	Lecture, discussion, assignment, supervised clinical practice	Case study, clinical evaluation, supervised clinical practice

	<p>Helsinki ]</p> <p>5. Privacy [Privacy – Definition and concept, Classification of privacy, Historical aspects, Internet privacy, Information dissemination, Invasions, Right to privacy, Privacy laws in India]</p> <p>6. Whistleblower [Definition , Historical aspects , Scope , Principles and fundamentals of Whistleblower , Medical students and whistle blowing , Right to information Act of India ]</p> <p>7. Biocentrism [Definition, Scope of biocentrism, Principles of biocentrism, Human relationship with animals and environment, History and development , Biocentrism in law , Biocentrism in religion , Criticism ]</p> <p>8. Animal ethics [ Definition , Animal rights and animal laws in India , Animal Welfare Board of India , PETA India, World animal day, Guidelines for use of Laboratory animals in Medical Colleges under “Purpose of Control and Supervision of Experiments on Animals” (CPCSEA) Laws ]</p> <p>9. Medical research ethics: [ Medical research ethics – basic concepts , Importance of communication in research , control and resolution in research , Regulatory professional bodies , Ethical committee , Research guidelines , Medical research and Internet , referrals , Conflict of interest , source of support , academic research , key issues in medical research , Legal and moral values in medical research ]</p> <p>10. Informed consent [ Informed consent – Definition, concept , Assessment of consent , Elements of valid informed consent , Waiver of requirement , Historical aspects , Requirements of the professional , Patient competency , Consents in children , Deception , Abortion, vaccination and consent , Legal and moral</p>		
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		values ] Desirable to know: 2 hours <ul style="list-style-type: none"> <li>• Animal ethics</li> <li>• Whistleblower</li> <li>• Biocentrism</li> </ul>		
II	10 hours	<p>Must know:06 hours</p> <p>1. Human decomposition: [Human decomposition – Definition and concept , stages of decomposition, Historical aspects ]</p> <p>2. Embalming [Definition, Historical aspects, Modern practices in medical universities, Embalming and religions concept]</p> <p>3. Eugenics and Euthanasia [ Eugenics – definition and concept , Practices of eugenics in world and India , Immigration and eugenics , compulsory sterilization concept , Historical aspects of eugenics , Euthanasia - definition and concept , Practices of eugenics in world and India, Legal and moral values ]</p> <p>4. Genetic counseling [Genetic counselors, Conditions detectable under counseling, support and attitude towards counseling, structure and results of counseling, prenatal counseling]</p> <p>5. Organ donation [Definition, scope of organ donation, consent process,Religious views on organ donation , Shortage of organ donation, Organ donation current scenario in India, Some Notable Donators]</p> <p>6. Religious practices of embalming [ Religious practices of embalming , Notable embalmings ]</p> <p><b>7. Human rights</b> [ Human rights – Definition and concept explanation , Historical trends , Philosophy of human rights , Criticism , Classification , Indivisibility , Categorization , International humanitarian law , Regional human rights regimes , Human rights promotion, Human rights group , Human rights violations , Right</p>	Lecture, discussion, assignment, supervised clinical practice	Case study, clinical evaluation

		<p>to life, Freedom of speech , Freedom of thought, conscience and religion , Human rights in India, Freedom of expression ]</p> <p>8. Immortality [ Immortality – Definition and concept explanation, Religion and immortality , Alchemy , Causes of death , Biological immortality , Biologically immortal species , Evolution of aging , Prospects for human biological immortality - Life-extending substances , Technological immortality, Cryonics , Mind-to-computer uploading , Cybernetics , Evolutionary immortality , Ancient Greek religion , Lists of religions and immortality , Undesirability of immortality , Legal and moral values ]</p> <p>Desirable to know: 04 hours</p> <p>9. Medical futility [ Definition , concept of medical futility , Legal and moral values ]</p> <p>10. Oncofertility</p> <p>11. Hippocratic Oath [ Nightingale pledge – Introduction, Historical aspects , Original oath , Modern oath, Use and relevance of oath ]</p>		
III	4 hours	<p>1. Dichotomy and prudence [Dichotomy and Prudence – Definition, History , Phases , ethical issues in practice Prudence in choice of tests]</p> <p>2. Duty to rescue [Duty to rescue – Definition, concept, Ethical justifications, Common law, Civil laws]</p> <p>3. The Right to Information Act (RTI) [ Definition and scope of RTI , Freedom of Information Act 2002, State-level RTI Acts , Private bodies , Process of RTI , Expenses , Information Exclusions under RTI ]</p>	Lecture, discussion, assignment, supervised clinical practice	Case study, clinical evaluation
IV	4 hours	<p>Must know: 3 hours</p> <p>1. Clinical ethics :</p> <p>2. Professionalism: Doctor patient relationship , solidarity and cooperation, code of conduct, contract and confidentiality, Fees charge, Fees splitting</p>	Lecture, discussion, assignment, supervised clinical practice	Case study, clinical evaluation

	issue, Drug prescription and ethics, Resources allocation, Malpractice and negligence Desirable to know: 1 hour Public health ethics		
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# PRAVARA INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)

Loni, Tal. Rahata, Dist. Ahmednagar 413736  
NAAC Re-accredited with 'A' Grade

## SYLLABUS

### UG Programme- Universal Human Values Personality Development

Placement : Second Year  
Teaching Hours : Theory 30 hours Credit Hours : 01

Unit No.	Theory Hours	Content	Teaching Learning Method	Evaluation
I	30	Must know: 25 hours Introduction The Extended Family Society and the Community Managing one's Affairs with Rectitude of Conduct Rectitude of Conduct Creating Environments of Unity Built on Diversity Unity of Action Exercising Initiative in a disciplined and Creative Way Desirable to know: 5 hour Fostering Initiative	Lecture , Group discussion, workshop, role play	Supervised clinical practice, Clinical Evaluation



  
 Registrar  
 Pravara Institute of Medical Sciences  
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