

# Syllabus

for Courses affiliated to the

**Kerala University of Health Sciences**

Thrissur 680596



**MASTER OF SCIENCE IN NURSING**

**M.Sc Child Health (Paediatric) Nursing**

**Course Code 273**

**(2016-17 admission onwards)**

**2016**

## 2. COURSE CONTENT

### 2.1 Title of course:

MASTER OF SCIENCE IN NURSING – Child Health (Paediatric ) Nursing

### 2.2 Aim & Objectives of the Course

#### Aim

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

#### OBJECTIVES

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth.
11. Demonstrate advanced skills and competence in the nursing management of children with medical and surgical conditions in various settings.
12. Incorporate evidence based nursing practice and identify the areas of research

in the field of child health nursing.

13. Describe the recent advancements in the field of child health nursing.

14. Explain the legal and ethical issues pertaining to child health nursing.

15. Function as child health nurse specialist and practitioner.

### 2.3 Medium of instruction:

Medium of instruction shall be English

### 2.4 Course outline

<b>1 year</b>	<b>Theory (hrs)</b>	<b>Practical (hrs)</b>
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Child Health (Paediatric)		
Nursing-I	150	900
<b>Total</b>	<b>600</b>	<b>1650</b>
<b>II Year</b>	<b>Theory (hrs)</b>	<b>Practical (hrs)</b>
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
Child Health (Paediatric)		
Nursing -II	150	1450
<b>Total</b>	<b>300</b>	<b>1950</b>
<b>Grand Total</b>	<b>900</b>	<b>3600</b>

### 2.5 Duration

**Duration of the course is for 2 years.**

Weeks/year : 52 weeks

Leave : 3 weeks (20 days)

Preparation and Exam : 2 weeks

Total weeks available : 47 weeks

Total hours/week : 48 hours

48 hoursX47weeks : 2256 hour/year

## 2.6 Syllabus

As given under “Content of each subject in each year”. The concept of Health Care Counselling shall be incorporated in all relevant areas.

## 2.7 Total number of hours

As given under “Content of each subject in each year”

## 2.8 Branches if any with definition

Not Applicable

## 2.9 Teaching learning methods

As given in “Content of each subject in each year”

## 2.10 Content of each subject in each year

### FIRST YEAR M.Sc NURSING

### NURSING EDUCATION

Placement: 1st Year

#### Hours of Instruction

Theory 150 Hours  
Nursing Faculty-115  
External Faculty- 35  
Practical 150 Hours  
Total: 300 Hours

## Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

## Objectives

At the end of the course, students will be able to :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and

future trends.

6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education program Identify research priorities in nursing education.
12. Discuss various models of collaboration in nursing education and services.
13. Explain the concept, principles, steps, tools and techniques of Evaluation.
14. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

### Course Content

Unit	Theory Hours	Content
I	10	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Education :Definition, aims, concepts, philosophies, Formulation of philosophy &amp; their implications on education (Review)</li> <li><input type="checkbox"/> Impact of Social, economical, political &amp; technological changes on education.</li> <li><input type="checkbox"/> Professional education</li> <li><input type="checkbox"/> Current trends and issues in education</li> <li><input type="checkbox"/> Educational reforms and National Educational Policy, various educational commissions-reports</li> </ul> <p><b>Nursing education-</b> Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.</p>
II	20	<p><b>Curriculum Development</b> Definition, curriculum determinants, process and steps of curriculum</p>

	<p>development, Types and framework.</p> <ul style="list-style-type: none"> <li>□ Educational Objectives - types, domains, levels, elements and writing of educational objectives,</li> <li>□ selection of learning experiences</li> <li>□ Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan.</li> <li>□ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders.</li> <li>□ Evaluation of educational programs in nursing- course and program.</li> <li>□ Equivalency of courses : Transcript , credit system.</li> </ul>
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<p><b>III</b></p>	<p><b>20</b> <b>*EF 10</b></p>	<p><b>Teaching – Learning Process</b></p> <ul style="list-style-type: none"> <li>□ Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning</li> <li>□ Competency based education, outcome based education (OBE)</li> <li>□ Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching.</li> <li>Innovative Strategies</li> <li>Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching</li> <li>Class room management and transactional analysis</li> <li>□ Teacher - Roles &amp; responsibilities, functions characteristics, competencies, qualities.</li> <li>□ Preparation of professional teacher</li> <li>□ Organizing professional aspects of teacher preparation programs.</li> <li>□ Critical analysis of various programs of teacher education in India</li> </ul>
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<p><b>IV</b></p>	<p><b>40</b></p> <p><b>EF20</b></p>	<p><b>Evaluation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity, reliability, usability</li> </ul> <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation,</li> <li><input type="checkbox"/> Evaluation strategies-meaning, characteristics.</li> <li><input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks.</li> <li><input type="checkbox"/> Item analysis</li> </ul> <p><b>Non-standardized tests :</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Essay, short answer questions and multiple choice questions, True &amp; False, Completion.Tools of Evaluation-Rating scales, checklist,Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE),Viva Examination</li> <li><input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal record, Attitude scale, critical incident technique.</li> <li><input type="checkbox"/> Question bank-preparation, validation, moderation by panel.</li> </ul> <p><b>Standardized Tools</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities.</li> <li><input type="checkbox"/> Teacher Evaluation-Strategies</li> </ul>
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V	15	<p><b>Instructional Media &amp; Methods</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Key concepts in the selection and use of media in education</li> <li><input type="checkbox"/> Developing learning resource material using different Media.</li> <li><input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization.</li> <li><input type="checkbox"/> Teacher’s role in procuring and managing</li> <li><input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc</li> </ul>
VI	10	<p><b>Continuing Education in Nursing</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of learning, assessments of learning needs, priorities, resources.</li> <li><input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs.</li> <li><input type="checkbox"/> Research in continuing education.</li> <li><input type="checkbox"/> Distance education in nursing</li> </ul>
VII	5 EF5	<p><b>Guidance and counseling</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review).</li> <li><input type="checkbox"/> Trends and issues in Guidance and counseling.</li> <li><input type="checkbox"/> Guidance and counseling services: diagnostic and remedial.</li> </ul>

		<ul style="list-style-type: none"> <li><input type="checkbox"/> Coordination and organization of services.</li> <li><input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of counselor, problems in counseling.</li> </ul> <p>Professional preparation and training for counseling</p>
<b>VIII</b>	<b>25</b>	<p><b>Management of nursing educational institutions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel.</li> <li><input type="checkbox"/></li> </ul> <p>Role of curriculum coordinator – planning , implementation &amp; Evaluation</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Evaluation of educational programs in nursing- course &amp; Program</li> <li><input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together</li> <li><input type="checkbox"/> Concept of faculty supervisor (dual) position.</li> <li><input type="checkbox"/> Curriculum research in nursing.</li> </ul> <p>Different models of collaboration between education and service</p>

<b>IX</b>	<b>5</b>	<p><b>Quality in Nursing Education</b></p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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## \* External Faculty (EF)

### Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10  
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc )
  - Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

### Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

## Methods of evaluation

- Tests
- Presentation
- Project work

### Assignments –Theory

Lesson plan-2,courseplan -1,unit plan 2,rotation plan-2(master plan,clinical rotation)

Evaluation tool-construction,administration and evaluation(Essay,objectivetype,ratingscale,checklist)

Construction of an achievement test

### Practical

Practice teaching using different strategies (lecture cum discussion-5,demonstration-2,seminar-1,clinicalteaching -2,symposium/role play/panel discussion)

### Internal Assessment (Theory)

	<b>Weightage</b>
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	<b>100%</b>

### Practical – Internal assessment

Preparation of Learning resource material &	25%
Construction of tests/rotation plan.	
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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- ❑ Clement, Textbook on Communication & Educational Technology.
- ❑ Iwasiv C L etal(2010), —Curriculum development in Nursing Education||, New Delhi, Bartlett Publishers.
- ❑ National and international journals in nursing education

## ADVANCED NURSING PRACTICE

Placement: 1st Year

### Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

### Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

### Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self development and professional advancement.

## COURSE CONTENT

Unit	Hours	Content
I	8	<p><b>Nursing as a Profession</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Review:</b> History and development of nursing profession, Perspectives</li> </ul> <p>of Nursing Profession-National, global</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Code of ethics, code of professional conduct, autonomy and Legal considerations</li> <li><input type="checkbox"/> Evidence Based Nursing Practice</li> <li><input type="checkbox"/> Progressive Patient Care</li> <li><input type="checkbox"/> Quality assurance in Nursing</li> <li><input type="checkbox"/> Futuristic nursing.</li> </ul>
II	5	<p><b>Health care delivery</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Health care environment, Health economics</li> </ul> <p>Health care policy -National, State</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Policy and politics in Nursing</li> <li><input type="checkbox"/> Health care delivery system- national, state, district and local level.</li> <li><input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc</li> <li><input type="checkbox"/> Patterns of nursing care delivery in India.</li> <li><input type="checkbox"/> Health care delivery concerns</li> <li><input type="checkbox"/> National health and family welfare programs:(Review)</li> <li><input type="checkbox"/> Information, education and communication (IEC).</li> </ul> <p>Tele-medicine.</p>
111	20	<p><b>Philosophy and Theories of Nursing</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Values, Conceptual models, approaches.</b></li> <li><input type="checkbox"/> <b>Nursing theories:</b> Nightingale's, Hendersons's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications</li> </ul> <p>Health promotion and health belief models</p>

		<input type="checkbox"/> Evidence based practice model.
<b>1V</b>	<b>12</b> <b>*EF8</b>	<b>Clinical Assessment-History taking and physical examination</b>
<b>V</b>	<b>6</b>	<b>Nursing process</b>  <b>Review:</b> Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
<b>V1</b>	<b>15</b> <b>EF10</b>	<b>Genetics</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Molecular basis of the gene and transmission of genetic information</li> <li><input type="checkbox"/> Recombination, Mutation, Pedigree analysis</li> <li><input type="checkbox"/> Mapping the Human genome – Genome project.</li> <li><input type="checkbox"/> Approaches to common genetic disorders-Monogenic and polygenic</li> <li><input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis &amp; screening,</li> <li><input type="checkbox"/> Ethical, legal &amp; psychosocial issues in genetic testing.</li> <li><input type="checkbox"/> Genetic counseling.</li> <li><input type="checkbox"/> Practical application of genetics in nursing.</li> </ul>
<b>V11</b>	<b>4</b> <b>EF2</b>	<b>Epidemiology</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Review</b> :Epidemiological approach and methods</li> <li><input type="checkbox"/> Concepts of causation of diseases and their screening,</li> <li><input type="checkbox"/> Application of epidemiology in health care delivery</li> <li><input type="checkbox"/> Health surveillance and health informatics</li> <li><input type="checkbox"/> Role of nurse</li> </ul>
<b>V111</b>	<b>30</b>	<b>Bio-Psycho social pathology</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Review:</b> Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageingprocess,geriatric considerations in nursing,</li> <li>Psychosocial dynamics in causation of disease, life style disease</li> <li><b>Common problems and management:</b></li> <li><input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency</li> <li>Haemodynamic monitoring</li> <li>Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS,Hemorrhage, shock,</li> </ul>



		Altered body temperature, Unconsciousness, Insomnia, pain, Sensory deprivation, Immobility, Anaphylaxis, Septicaemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation, Emerging communicable diseases and biomedical waste management.
<b>IX</b>	<b>15</b> <b>EF5</b>	<p><b>Psychological aspects and Human relations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs</li> <li><input type="checkbox"/> Human Sexuality and sexual health.</li> <li><input type="checkbox"/> Stress and adaptation, crisis and its intervention,</li> <li><input type="checkbox"/> Coping with loss, death and grieving,</li> <li><input type="checkbox"/> Principles and techniques of Counseling.</li> </ul>
<b>X</b>	<b>10</b>	<p><b>Nursing practice</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Framework, scope and trends.</li> <li><input type="checkbox"/> Alternative modalities of care</li> <li><input type="checkbox"/> Alternative systems of health and complimentary therapies.</li> <li><input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions.</li> <li><input type="checkbox"/> Health promotion and primary health care.</li> <li><input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner.</li> <li><input type="checkbox"/> Collaboration issues and models-within and outside nursing.</li> </ul> <p>Models of Prevention</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Gender sensitive issues and women empowerment.</li> </ul> <p>Disaster nursing.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trans-cultural nursing.</li> </ul>
<b>XI</b>	<b>15</b>	<p><b>Advanced nursing skills</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Definition, Indication and nursing implications:</li> <li><input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS</li> </ul>

<b>10 EF5</b>	<p><b>Computer applications for patient care delivery system and nursing practice</b></p> <ul style="list-style-type: none"> <li>☐ Use of computers in teaching, learning, research and nursing practice.</li> <li>☐ Windows, MS office: Word, Excel, Power Point</li> <li>☐ Internet-literature search,</li> <li>☐ Statistical packages</li> <li>☐ Hospital management information system: softwares</li> </ul>
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Legend: \*EF-External Faculty

**Practical – 500 Hrs**

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	<b>Total</b>	<b>11</b>

**Activities**

- ☐ Practice advance clinical procedures
- Prepare Care plan and care study based on nursing process and nursing theories 2 (Medial , Surgical)
- Care Analysis (Medial / Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching- 3

**Methods of Teaching**

- Lecture cum discussion
- Seminar
- Panel discussion

- Debate
- Case Presentations
- Exposure to scientific conferences

**Methods of evaluation:**

Tests

- Presentation
- Seminar
- Written assignments

**Advance Nursing Procedures**

Definition, Indication and nursing implications:

- ☐ Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal paracentesis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

**Internal Assessment**

Theory	Weightage
Sessional exams (3)	50%
Assignment	25%
Seminar/presentation	25%
	<b>100%</b>

**REFERENCE**

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- ☐ National and international journals in nursing practice, advanced nursing and critical care

## NURSING RESEARCH AND STATISTICS

Placement: 1st Year

### Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

### **Part A: Nursing Research**

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

### **Course Description:**

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

### **General Objectives:**

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

**COURSE CONTENT:**

Unit	Theory hours	Content	Practical hours	Content
I	5	<p><b>Introduction</b>  <b>Review:</b></p> <ul style="list-style-type: none"> <li>• Problem solving and scientific method.</li> </ul> <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Future trends in nursing research.</li> <li><input type="checkbox"/> Problems and challenges in nursing research, health and social research.</li> <li><input type="checkbox"/> Priorities for nursing research.</li> <li><input type="checkbox"/> Evidence based practice.</li> <li><input type="checkbox"/> Ethics in research</li> </ul>		
II	5	<p><b>Review of Literature</b></p> <ul style="list-style-type: none"> <li>• Review- <ul style="list-style-type: none"> <li>• Importance, purposes, sources, criteria for selection of resources</li> <li>• Guidelines for writing literature review.</li> </ul> </li> </ul>	5	Literature search-web search

III	10	<b>Research problem:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Identification of research problem/ research question.</li> <li><input type="checkbox"/> Formulation of problem statement and research objectives</li> <li><input type="checkbox"/> Definition of terms</li> <li><input type="checkbox"/> Assumption and delimitations</li> <li><input type="checkbox"/> Identification of variables</li> <li><input type="checkbox"/> Hypothesis –definition, formulation and types.</li> </ul>	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	<b>Developing theoretical /conceptual framework.</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research</li> <li><input type="checkbox"/> Using, testing and developing conceptual framework, models and theories.</li> </ul>	5	Developing theoretical /conceptual framework.
V	15	<b>Research Approach and designs</b> Qualitative and Quantitative, Mixed methods <b>Qualitative research approaches:</b> Grounded theory, phenomenology, ethnography, case study and historical research. <b>Quantitative:</b> Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	<b>Sampling</b> Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

<b>VII</b>	20	<p><b>a) Data collection methods and Tools:</b> Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p><b>b) Measurement and data quality</b> Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
<b>VIII</b>	3	<b>Critical analysis of research reports and articles</b>	15	Critical analysis of research reports and Articles
<b>IX</b>	4	<b>Developing and presenting a research proposal</b>	5	Presenting a research proposal
<b>X</b>	5	<b>Implementing research plan</b> Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data	40	Pilot study
<b>XI</b>	10	<b>Analysis and interpretation of data</b> <b>Plan for data analysis:</b> quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion		
<b>XII</b>	10	<b>Reporting and utilizing research findings:</b> Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA),		



		Utilization of research findings.		
		Writing scientific articles for publication: purposes & style		

**Activities:**

- ☐ Annotated Bibliography of research reports and articles. -4
- ☐ Review of literature of selected topic and reporting
- ☐ Formulation of problem statement, objective and hypothesis
- ☐ Developing theoretical /conceptual framework.
- ☐ Preparation of a sample research tool.
- ☐ Analysis and interpretation of given data
- ☐ Developing and presenting research proposal
- ☐ Journal presentation-1
- ☐ Critical evaluation of selected research studies –dissertaton-1,journal article -1
- ☐ Writing a scientific paper

**Methods of Teaching:**

- ☐ Lecture-cum-discussion
- ☐ Seminar/Presentations
- ☐ Project
- ☐ Class room exercises
- ☐ Journal club

**Methods of Evaluation:**

- ☐ Quiz, Tests(Term)
- ☐ Assignments/Term paper
- ☐ Presentations
- ☐ Project work (Concerned specialty)

<b>Internal Assessment Techniques</b>	<b>Weightage (15 marks)</b>
Sessional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
<b>Total</b>	<b>100%</b>

## Part –B: Statistics (External Faculty)

### Hours of Instruction

Theory 50Hours

Practical 25 Hours

**Total 75 Hours**

### Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

### General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

### Course content

Unit	Hours		Content
	Theory	Practical	
I	7		<b>Introduction:</b> <ul style="list-style-type: none"> <li>□ Concepts, types, significance and scope of statistics, meaning of data</li> <li>□ Sample, parameter</li> <li>□ Type and levels of data and their Measurement                             <ul style="list-style-type: none"> <li>□ Organization and presentation of data-Tabulation of data</li> </ul> </li> <li>□ Frequency distribution</li> <li>□ Graphical and tabular presentations</li> </ul>
II	4		<b>Measures of central tendency:</b> <b>Mean, Median, Mode</b>

III	4		<b>Measures of variability:</b> □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation
IV	3		<b>Normal Distribution:</b> □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		<b>Measures of relationship:</b> □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		<b>Designs and meaning:</b> □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		<b>Significance of Statistic and Significance of difference between two</b>  <b>Statistics(Testing hypothesis)</b> □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- $t'$ test, ANOVA,
VIII	5		<b>Use of statistical methods in psychology and education</b> □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	<b>Application of statistics in health:</b> Ratios, Rates, Trends Vital health statistics –Birth and death rates Measures related to fertility, morbidity and mortality
X	4	20	<b>Use of Computers for data analysis</b> Use of statistical package

**Activities:**

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

**Methods of Teaching:**

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package

**Methods of Evaluation:**

- Test, Classroom statistical exercises

Internal Assessment Techniques	weightage 10 marks
Sessional exams – (2)	100%

**References \*:**

- Burns.N. and Susan K Grove. Understanding Nursing Research building and evidence based practice., W B Saunders, St. Luis .
- Polit, D.F. and C T Beck. Nursing Research Generating and Assisting evidence for Nursing practice-Wolter Kluwer, New Delhi
- Wood, G.L. and Haber J. Nursing Research-methods and critical appraisal for evidence-based practice. Elsevier.
- C R Kothari. Research Methodology Methods and Techniques. New Age Publishers, New Delhi.
- Sunder Rao. P.S.S. Jesudian, G. and Richard, J. An introduction to Biostatistics a manual for students in health sciences.

- Rose A Utely. Theory and Research for Academy Nurse Educators Application to Practice, Jones and Bartlett Publishers. Boston
- Nola A. Schmidt, Janet M Brown. Evidence Based Practice for Nurses Appraisal and Application of Research, Jones and Bartlett Publishers, New Delhi.
- Marylynn J Wood, Jannet C Ross Kerr. Basic Steps in Planning Nursing Research from question to Proposal, Jones and Bartlett Publishers, New Delhi.
- Mahajan. Methods in Biostatistics. Jaypee Brothers
- National and international journals in nursing practice, nursing education, nursing research



## CHILD HEALTH (PAEDIATRIC) NURSING-I

Placement :1st Year

### Hours of Instruction

Theory 150 Hours

External Faculty- 40 Hours

Internal Faculty- 110 Hours

Practical-900Hours

Total : 1050 Hours

### Course Description

This course is designed to assist students in developing expertise and in depth understanding in the field of Child Health Nursing. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and child health nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

### Objectives

At the end of the course the students will be able to:

1. Appreciate the history and developments in the field of child health and child health nursing as a specialty.
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.
3. Perform physical, developmental, and nutritional assessment of pediatric clients
4. Apply nursing process in providing nursing care to neonates & children
5. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
6. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
7. Describe various recent technologies and treatment modalities in the management of high risk children.
8. Incorporate evidence based nursing practice and identifies the areas of research in the field of pediatric/neonatal nursing

9. Recognize the role of pediatric nurse practitioner as a member of the pediatric and neonatal health team.

10. Teach pediatric nursing to undergraduate students & in-service nurses.

Unit	Hours	Content
I	10	<p><b>Introduction</b></p> <p>Review: -</p> <p>Historical development of Pediatrics and Pediatric Nursing in India;</p> <p>Current status of child health in India;</p> <p>Trends in Pediatrics and Pediatric Nursing, Principles of pediatric nursing</p> <p>Ethical and cultural issues in pediatric care</p> <p>Rights of children Nursing theories applicable to child health nursing : Orem's self care deficit, Kulebas theory of comfort , Neuman's system model, Katheryn E Barnard – child health assessment model</p> <p>National health policy for children, special laws and ordinances relating to children.</p> <p>National goals,</p> <p>Five year plans,</p> <p>National health programs related to child health ,National and International organizations related to child health,</p>
II	10  EF 5	<p><b>Assessment of pediatric clients</b></p> <p>History taking</p> <p>Developmental assessment</p> <p>Physical assessment</p> <p>Nutritional assessment</p> <p>Family assessment ,Dehydration assessment ,Emergency assessment</p>

III	5	<p><b>Hospitalized child</b></p> <p>Review:- Meaning of hospitalization to the child, preparation for hospitalization, effects of hospitalization on the child and family</p> <p>Stressors and reactions related to developmental stages, play activities for ill hospitalized child. Nursing care of hospitalized child and family.</p>
IV	10 EF 5	<p><b>Pre-natal Pediatrics</b></p> <p>Embryological and fetal development, Prenatal factors influencing growth and development of fetus,</p> <p>Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling, Legal and ethical aspects of genetic screening and counseling, role of nurse in genetic counseling, Importance of prenatal care and role of pediatric nurse.</p>
V	10	<p><b>Growth and Development of children</b></p> <p>Review: -Factors affecting growth and development</p> <p>Principles of growth and development,</p> <p>Concepts and theories of growth and development,</p> <p>Developmental tasks and special needs from infancy to adolescence, developmental milestones,</p> <p>Assessment of growth and development of pediatric clients, Play needs in different age group, Accidents in children</p> <p>Developmental Problems</p>



<b>VI</b>	<b>10</b>  <b>EF 5</b>	<b>Behavioral Pediatrics and Pediatric Nursing</b>  Parent child relationship,  Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, battered child syndrome,  Common behavioral problems and their management,  Child guidance clinic.
<b>VII</b>	<b>10</b>  <b>EF 5</b>	<b>Preventive Pediatrics and Pediatric Nursing</b>  Concept, aims and scope of preventive pediatrics,  Maternal health and its influence on child health, antenatal aspects of preventive pediatrics,  Immunization, expanded program on immunization/ universal immunization program and cold chain,  Nutrition and nutritional requirements of children, changing patterns of feeding, baby- friendly hospital initiative and exclusive breast feeding, Complementary feeding.  Health education, nutritional education for children and mother  Nutritional programs  Role of pediatric nurse in the hospital and community.
<b>VIII</b>	<b>10</b>  <b>EF 5</b>	<b>Developmental disturbances and implications for nursing</b>  Learning disabilities  Habit disorders, speech disorders,  Conduct disorders,

		Early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia
<b>IX</b>	<b>10</b>	<p><b>Challenged child and implications for nursing</b></p> <p>Physically challenged, causes, features, early detection &amp; management</p> <p>Children with cerebral palsy</p> <p>Mentally challenged child.</p> <p>Training &amp; rehabilitation of challenged children</p>
<b>X</b>	<b>5</b>	<p><b>Crisis and nursing intervention</b></p> <p>Hospitalized child – Crisis Intervention</p> <p>Terminal illness &amp; death during childhood</p> <p>Nursing intervention-counseling , Adjustment reaction to school</p>
<b>XI</b>	<b>5</b> <b>EF 5</b>	<p><b>Drugs used in Pediatrics</b></p> <p>Criteria for dose calculation</p> <p>Administration of drugs, oxygen and blood</p> <p>Drug interactions</p> <p>Adverse effects and their management</p>
<b>XII</b>	<b>35</b> <b>EF 10</b>	<p><b>Neonatal Nursing</b></p> <p>New born baby: Concept, Goals, assessment, principles.</p> <p>- profile and characteristics of the new born,</p> <p>Nursing care of the new born at birth, care of the new born and family,</p> <p>Assessment of gestational age IUGR babies</p>

		<p>High Risk Newborn: Identification, classification and nursing management.</p> <p>Nursing management of</p> <ul style="list-style-type: none"> <li>• Preterm, term neonate and growth retarded babies.</li> <li>• Post-mature infant, and baby of diabetic and substance use mothers.</li> <li>• Respiratory conditions, Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum</li> <li>• Icterus neonatorum.</li> <li>• Birth injuries.</li> <li>• Hypoxic ischaemic encephelopathy</li> <li>• Congenital anomalies.</li> <li>• Neonatal seizures.</li> <li>• Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia, Neonatal Hypothyroidism</li> <li>• Neonatal heart diseases.</li> <li>• Neonatal hemolytic diseases</li> <li>• Neonatal infections, neonatal sepsis, ophthalmia, neonatorum, congenital syphilis, HIV/AIDS</li> <li>• Advanced neonatal procedures.</li> <li>• Calculation of fluid requirements.</li> <li>• Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn</li> </ul>
XIII	20	<p><b>IMNCI</b></p> <p>(Integrated management of neonatal and childhood illnesses)</p> <p>Essential New born care, facility based new born care</p>

## EF 10: External Faculty

Practical Experience

Total = 900 Hours

1 Week = 48Hours

Sl no	Dept / unit	No of weeks
1.	Pediatric Medical ward	5
2.	Pediatric Surgery ward	2
3.	Labor room/ Maternity ward	1
4.	NICU	8
5.	Community	1
6.	Paed OPD	1
7.	Child guidance clinic	1
	TOTAL	19

Visit to Creche, Child guidance clinic, Anganwadi, Orphanage, Special schools for challenged children.

### Clinical Assignments

- Care study – 1 neonatal
- Care analysis - 1
- Clinical presentations - 5
- Growth & developmental assessment – 5
- Health education –individual teaching -5
- Nutritional assessment - 3
- Term paper – 1
  
- Project
  
- Drug file
- Project
- Maintain Log book

### Procedure to be performed/ assisted



- Assessment of Neonates: Identification & assessment of risk factors, APGAR Score, gestation age, anthropometric assessment
- Admission & discharge of neonates
- Feeding – management of breast feeding, artificial feeding, expression of breast milk  
NG(Nasogastric) tube insertion, gavage feeding, TPN, Breast feeding counselling.
- Thermoregulation – Axillary temperature, Kangaroo Mother Care (KMC), Use of Radiant warmer, incubators, management of thermoregulation & control.
- Administration of drugs: I/M, IV injection, IV Cannulation & fixation infusion pump, calculation of dosages neonatal formulation of drugs, use of tuberculin/insulin syringes, Monitoring fluid therapy, Blood administration.
- Procedures for prevention of infections: Hand washing, disinfection & sterilization, fumigation
- Collection of specimens
- Setting, use & maintenance of basic equipment: Ventilator, O2 analyzer, monitoring equipment, Photo therapy unit, Flux meter, infusion pump, Radiant warmer, incubator, Centrifuge machine, Bilimeter, Refractometer, Laminar flow
- Umbilical catheterization – arterial and venous
- Arterial BP monitoring
- Blood transfusion – exchange transfusion full and partial
- Chest tube insertion
- Endotracheal intubation
- Ventilation
- Assist in surgery

Theory weightage		Practical weightage	
Sessional exams (3)	50%	Ongoing clinical evaluation	40%
Term paper -1	25%	Clinical assignments	40%
Seminars	25%	Internal practical	20%
<b>Total</b>	<b>100%</b>	examination <b>Total</b>	<b>100</b>

## REFERENCES

1. K.N.Agarwal. Paediatrics and Neonatology. CBS Publishers & distributors, New Delhi, Bangalore.
2. Nageswara Prasad Vunnava, Essentials of neonatal emergencies and clinical guidelines , CBS Publishers & distributors, New Delhi.
3. Hockenbery, Wilson, Winlestein&Kline(2004). Wong's Nursing Care of Infants and Children.7<sup>th</sup>edn.Elsevier.
4. Johnston, G.B (2000). The newborn Child. 9<sup>th</sup>edn. Churchill Livingstone
5. Marlow & Redding (2008). Textbook of Pediatric Nursing.6<sup>th</sup>edn. Saunders. Co.
6. Robertson D.M & South, M(2000). The newborn Child- 9<sup>th</sup>edn.ChurchillLivingstone
7. Meharban Singh, Care of New born. Sagar Publications, New Delhi
8. John P. Cloherty MDAnn R. Stark Manual of Neonatal Care .
9. Behrman, Kliegman&Arvin, Nelsons's Text book of Pediatrics ( Book I & II) ,W.B. saunders Company.
10. National and international journals in Paediatrics and Paediatric nursing.

## SECOND YEAR M.Sc NURSING NURSING MANAGEMENT

**Placement: II Year**

### **Hours of Instruction**

Theory :150 Hours

Nurse Specialist :105 Hours

External :45 Hours

Practical :200 Hours

**Total : 350 Hours**

### **Course Description**

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

### **Objectives**

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

## COURSE CONTENT

Unit	Theory	Content
I	10  *EF5	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• Concepts of Management Philosophy, theories, elements, Principles, -(Review).</li> <li>Functions of administration Indian Constitution, Indian Administrative system health care delivery system:</li> <li style="padding-left: 20px;">National, State and Local</li> <li>Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community</li> <li>Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans</li> </ul>
II	10	<p><b>Nursing management</b></p> <ul style="list-style-type: none"> <li>Concept, types, principles and techniques</li> <li>Vision and Mission Statements</li> <li>Philosophy, aims and objective</li> <li>Current trends and issues in Nursing Administration</li> <li>Theories and models</li> <li>Application to nursing service and education</li> <li>Autonomy and accountability for nursing practice.</li> </ul>
III	15  EF5	<ul style="list-style-type: none"> <li>Planning and control</li> <li>Co-ordination and delegation</li> <li>Decision making – decentralization basic goals of decentralization.</li> <li>Strategic planning</li> <li>Operational plans</li> <li>Management plans</li> <li>Programme evaluation and review technique(PERT), Gantt chart,</li> <li>Management by objectives(MBO)</li> <li>Planning new venture</li> <li>Planning for change</li> </ul>



		Innovations in nursing Application to nursing service and education
<b>IV</b>	<b>15</b> <b>EF5</b>	<b>Organisation</b> Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
<b>V</b>	<b>15</b> <b>EF5</b>	<b>Human Resource for health</b> Staffing  Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC)  Estimation of nursing staff requirement- activity analysis  Various research studies  Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

<b>VI</b>	<b>15</b> <b>EF5</b>	<b>Directing</b> Roles and functions Motivation: Intrinsic, extrinsic, Creating motivating climate,
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		<p>Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
<b>VII</b>	<b>10</b>	<p><b>Material management</b></p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care: unit and Hospital</p> <p>Inventory control , Condemnation</p> <p>Application to nursing service and education</p>
<b>VIII</b>	<b>15</b> <b>EF5</b>	<p><b>Controlling</b></p> <p>Quality assurance – Continuous Quality Improvement</p> <p>Standards, Models, Nursing audit</p> <p>Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education,</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedingsenquiryetc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p>

		Application to nursing service and education
<b>IX</b>	<b>15</b> <b>EF5</b>	<b>Fiscal planning</b> Steps Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue Budget estimate, revised estimate, performance budget Audit Cost effectiveness Cost accounting Critical pathways Health care reforms Health economics Health insurance Budgeting for various units and levels Application to nursing service and education
<b>X</b>	<b>10</b> <b>EF5</b>	<b>Nursing informatics</b> Trends General purpose Use of computers in hospital and community Patient record system Nursing records and reports Management information and evaluation system (MIES) E- nursing, Telemedicine, telenursing Electronic medical records
<b>XI</b>	<b>10</b>	<b>Leadership</b> Concepts, Types, Theories Styles Manager behavior

		<p>Leader behavior , Assertiveness</p> <p>Effective leader: Characteristics, skills</p> <p>Group dynamics</p> <p>Power and politics , Visibility of nursing</p> <p>Lobbying</p> <p>Critical thinking and decision making</p>
		<p>Stress management</p> <p>Applications to nursing service and education</p>
<b>XII</b>	<b>10</b> <b>EF5</b>	<p><b>Legal and ethical issues</b></p> <p><b>Laws and ethics</b></p> <p>Ethical committee</p> <p>Code of ethics and professional conduct</p> <p>Legal system: Types of law, tort law, and liabilities</p> <p>Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character</p> <p>Patient care issues, management issues, employment issues</p> <p>Medico legal issues</p> <p>Nursing regulatory mechanisms: licensure, renewal, accreditation</p> <p>Patients rights, Consumer protection act(CPA)</p> <p>Rights of special groups: children, women, HIV, handicap, ageing</p> <p>Professional responsibility and accountability</p> <p>Infection control</p> <p>Standard safety measures</p>

**\*EF- External Faculty**

**PRACTICALS**

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel



8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal
13. Identify the problems of the specialty units and develop plan of action by using problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.
16. Prepare a plan for disaster management
17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

#### **Methods of Teaching**

- Lecture cum discussion
- Seminar / Presentations
- Workshop

#### **Methods of evaluation**

- Tests
- Presentation
- Written assignments

<b>Internal Assessment Techniques</b>	<b>Weightage (%)</b>
Sessional exam (3)	50
Assignments	25
Seminar/presentations	25
<hr/>	
<b>Total</b>	<b>100%</b>

#### **Assignments**

#### **Theory**



Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department. Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.) Performance Appraisal Format for Nursing Staff.

**Practical**

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1
Nursing Care Conference	1

**Clinical Posting**

Various Wards/ICUs of Hospital. - 4 Weeks  
Office of Nursing Superintendent / Nursing Officer- 1 week

**Reference \*:**

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#### CLINICAL SPECIALTY –II

## PAEDIATRIC (CHILD HEALTH) NURSING - II

Placement: II Year

Hours of Instruction

Theory: 150 hrs

Practical: 1450 hrs

Total: 1600 hrs

### Course Description

This course is designed to assist students in developing expertise and in- depth understanding in the field of Pediatric Nursing. It will help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions. It will enable the student to function as pediatric nurse practitioner/specialist. It will further enable the student to function as educator, manager, and researcher in the field of Paediatric nursing.

### Objectives

At the end of the course the students will be able to:

1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems
3. Recognize and manage emergencies in children
4. Provide nursing care to critically ill children
5. Recognize and manage emergencies in neonates.
6. Identify and utilize the recent technology and various treatment modalities in the management of high risk children
7. Prepare a design for layout and describe standards for management of pediatric units/hospitals
8. Identify areas of research in the field of pediatric nursing.

### Medical conditions

Faculty: Internal 75

External 25



## COURSE CONTENT

Unit	Hours	Content	Hours	Content
I	5	<b>Introduction</b> Current & Future role of pediatric nurse in various settings -Expanded and Extended		
11	8 EF-2	<b>Medical conditions</b> Pathophysiology, assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders  <b>Child with respiratory disorders:</b> <b>Upper respiratory tract:</b> choanal atresia, tonsillitis, epistaxis, aspiration. <b>Lower respiratory tract:</b> Broncheolitis, Bronchopneumonia, Asthma, croup, cystic fibrosis,Empyema,emphysema,pleuraleffusion,lung abscess	5 EF-2	<b>Surgical conditions</b> Assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities including cosmetic surgery and nursing interventions in selected pediatric surgical problems/ disorders
III	6 EF-4	<b>Child with gastro-intestinal disorders:</b> Diarrheal diseases, Protuberentabdomen,Abdominalpain,gastr o-esophageal reflux  Hepatic disorders: Hepatitis, Indian childhood cirrhosis, Wilson's disease, Reyes syndrome, Celiac Disease	8 EF-4	Cleft lip, cleft palate and conditions requiring plastic surgery, Tracheo esophageal fistula/atresia, Hirschsprungs' disease/megacolon, malrotation, intestinal obstruction, duodenal atresia, pyloric stenosis,gastrochisis,

		Malabsorption syndrome, Milk protein intolerance, Malnutrition; Deficiency disorders, inflammatory bowel diseases, worm infestations		exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia
<b>IV</b>	<b>5</b> EF-2	<b>Child with renal/ urinary tract disorders:</b> Nephrotic syndrome, Nephritis, urinary tract infections, Hydronephrosis, hemolytic-uremic syndrome, ARF  Fluid electrolyte imbalance in children	<b>4</b> EF-2	Hypospadias, Epispadias, Undescended testes, Exstrophy bladder Obstructive uropathy, Hydronephrosis,
<b>V</b>	<b>5</b> EF-2	<b>Child with cardio-vascular disorders:</b> <b>Acquired:</b> Rheumatic fever, Rheumatic heart disease, CCF, Kawasaki's disease, Cardiomyopathy <b>Congenital:</b> Cyanotic and acyanotic	<b>3</b> EF-2	Surgical Management of Congenital heart diseases.
<b>VI</b>	<b>5</b>	<b>Child with endocrine/metabolic disorders:</b> Diabetes insipidus, Diabetes Mellitus, hyper and hypo thyroidism, inborn errors of metabolism		
<b>VII</b>	<b>5</b> EF-2	<b>Child with Neurological disorders:</b> seizure disorders, Epilepsy, Status epilepticus, Meningitis, encephalitis, Guillain-Barresyndrome, acute Flaccid paralysis	<b>5</b> EF-2	Neural tube defects-Spina bifida, Meningocele, Myelomeningocele, hydrocephalus
<b>VIII</b>	<b>6</b> EF-2	<b>Child with oncological disorders:</b> Leukemias, Lymphomas, Wilms' tumor, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone tumors, brain tumors	<b>4</b> EF-2	Surgical management of Wilms' tumor, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone and brain tumors.
<b>IX</b>	<b>5</b> EF-2	<b>Child with blood disorders:</b> Anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation		
<b>X</b>	<b>4</b>	<b>Child with skin disorders:</b> Eczem, Ichthyosis, scabies, atopic dermatitis, staphylococcal scalded skin syndrome, vascular lesions, psoriasis		

<b>XI</b>	<b>5</b> EF-2	<b>Common Eye &amp; ENT disorders:</b> Nasal obstruction, Epistaxis, wax, otitis externa, otitis media, mastoiditis, childhood deafness, rhinitis, acute sinusitis, tonsillitis, adenoid hypertrophy, laryngeal stridor, congenital glaucoma, cataract, conjunctivitis, trachoma, retinoblastoma, Trauma, strabismus		
<b>XII</b>	<b>6</b>	<b>Common Communicable diseases:</b> TB, Polio, Diphtheria, pertussis, tetanus, chicken pox, measles, mumps, rubella, HIV/AIDS, H1N1, Chikungunya, leptospirosis, dengue, IMN		
<b>XIII</b>		Osteogenesis imperfecta	<b>4</b>	<b>Anomalies of the skeletal system:</b> Talipes, Hip dislocation
<b>XIV</b>			<b>6</b> EF-2	<b>Nursing management of the child with traumatic injuries:</b>  General principles of managing Pediatric trauma;  Head injury, abdominal injury, poisoning, foreign body obstruction, burns
<b>XV</b>			<b>2</b>	<b>Bites &amp; Stings</b>
<b>XVI</b>			<b>5</b> EF-4	<b>Organ transplantation</b>  Liver  Kidney
<b>XVII</b>			<b>4</b>	<b>Management of stomas, catheters and tubes</b>  Management of wounds and drainages
<b>XVIII</b>	<b>20</b> EF-7	<b>Intensive care for pediatric clients</b>  Resuscitation, and post resuscitation management		

		Care of critically ill child – physical, physiological, psychological, Legal and ethical issues in pediatric intensive care Intensive care procedures, central line, intra osseous, endotracheal intubation, mechanical ventilation, tracheostomy care, peritoneal dialysis, emergency medication. Documentation- ICU flow sheet		
<b>X1X</b>	<b>10</b>	<b>Administration and management of pediatric care unit</b>  Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols  Practice standards for pediatric care unit  Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU Documentation		
<b>XX</b>	<b>5</b>	<b>Education and training in Pediatric care</b>  Staff orientation, training and development,  In-service education program,  Clinical teaching programs.		

**EF-External faculty**

**Practical**

**Total = 1450 Hours**

**1 Week = 48 Hours**



Sl. No.	Dept/ Unit	No. of Weeks
1.	Pediatric Medicine ICU	4
2.	Pediatric Surgical ICU	4
3.	NICU	4
4.	Pediatric OT	2
5.	Pediatric Medicine ward	7
6.	Pediatric Surgery ward	7
7.	Emergency/ Casualty	2
	<b>Total</b>	<b>30</b>

### Clinical Assignments

- Care analysis – 2 (medical -1,Surgical -1)
- Clinical profile- 2
- Clinical presentations – 5
- Clinical teaching -3
- Term paper – 1
- Drug file
- Maintain Log book

### Essential

#### I. Procedures to be observed:

- Echo cardiogram
- Ultrasound head
- ROP screening (Retinopathy of prematurity)
- Any other

## II. Procedures to be Assisted

- Advanced neonatal life support
- Lumbar Puncture
- Arterial Blood Gas
- ECG Recording
- Umbilical catheterization – arterial and venous
- Arterial B P monitoring
- Blood transfusion- exchange transfusion full and partial
- IV cannulation& therapy
- Arterial catheterization
- Chest tube insertion
- Endotracheal intubation
- Ventilation
- Insertion of long line-arterial /Venous access
- Assist in surgery

## III. Procedures to be Performed:

- Airway Management
  - Application of Oro Pharyngeal Airway
  - Oxygen therapy
  - CPAP(Continuous Positive Airway Pressure)
  - Care of Tracheostomy
  - Endotracheal Intubation

- Neonatal Resuscitation
- Monitoring of Neonates – clinically & with monitors, CRT(Capillary Refill Time), assessment of jaundice, ECG
- Gastric Lavage , Setting of Ventilators
- Phototherapy
- Assessment of Neonates: Identification & assessment of risk factors, APGAR Score, gestation age, Anthropometric assessment, Weighing the baby, Newborn examination, detection of life threatening congenital abnormalities,
- Admission & discharge of neonates
- Feeding - management of breast feeding, artificial feeding, expression of breast milk, OG(Orogastric) tube insertion, gavage feeding, TPN, Breast feeding counseling
- Thermoregulation- Axillary temperature, Kangaroo Mother Care (KMC), Use of Radiant warmer, incubators, management of thermoregulation & control
- Administration of Drugs: I/M, IV injection, IV Cannulation & fixation, infusion pump, Calculation of dosages, Neonatal formulation of drugs, use of tuberculin/ insulin syringes,
- Monitoring fluid therapy, Blood administration
- Procedures for prevention of infections: Hand washing, disinfections & sterilization, surveillance, fumigation
- Collection of specimens
- Setting, Use & maintenance of basic equipment: Ventilator, O2analyzer, monitoring equipment, Photo therapy unit, Flux meter, Infusion pump, Radiant warmer, incubator, Centrifuge machine, Bilimeter, Refractometer, laminar flow

#### **IV. Other Procedures:**

## Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
<b>Total</b>	<b>100%</b>	<b>TOTAL</b>	<b>100%</b>

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**2.11 No: of hours per subject.**

As given under “Content of each subject in each year”

**2.12 Practical training.**

As given under “Content of each subject in each year “

**2.13 Records**

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examinations.

**2.14 Dissertation: Guide/Co-Guide/ Change of Guide**

Dissertation

Every candidate pursuing M .Sc Nursing course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within ninemonths from the date of commencement of the course on or before the dates notified by the University.** The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

### Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1	Submission of the research proposal	End of 9th month of 1st year
2	Submission of dissertation Final	End of 9th month of IIInd Year

The dissertation should be written under the following headings:

1. INTRODUCTION
2. REVIEW OF LITERATURE
3. METHODOLOGY
4. ANALYSIS & INTERPRETATION
5. RESULTS
6. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES

APPENDICES

**Dissertation style:** Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69") and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Four copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21<sup>st</sup> month of commencement of the course.

Hall ticket for the second year examination should be issued to the candidate.

only after the dissertation has been submitted to the University

**Guidelines for submission of dissertation is given in Annexure**

### **Research Guides**

#### ***a) Qualification of Guide***

**Main guide:** Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

**Co-Guide:** A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

#### ***b) Guide – Students Ratio***

Maximum of 1:5 (including as co-guide)

**Change of Guide** –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

#### ***c) Research Committee***

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

**2.15 Speciality training if any**

Nil

**2.16 Project work to be done if any**

Clinical Assignments as given in “Content of each subject in each year”

**2.17 Any other requirements [CNE, Paper Publishing etc.]**

As given under “Content of each subject in each year”

**2.18 Prescribed/recommended textbooks for each subject**

As given under “Content of each subject in each year”

**2.19 Reference books**

As given under “Content of each subject in each year”

**2.20 Journals**

As given under “Content of each subject in each year”

**2.21 Logbook**

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination

### 3. EXAMINATIONS

#### 3.1. Eligibility to appear for exams [including Supplementary]

##### a). Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. **There is no provision for condonation of attendance for the PG candidates.**

##### b). Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

##### c). Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

#### 3.2. Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted once in a year after regular examination.

#### 3.3. Scheme of examination showing maximum marks and minimum marks

1 <sup>st</sup> year	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Child Health (Paediatric) Nursing- 1	3	25	12.5	100	50	4 hrs	100		100		325

2 <sup>nd</sup> year	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		850
		Maxi mum	Mini mu m	Maxi mum	Min imu m		Max imu m	Mini mum	Maxi mum	Mini mum	Total
<b>Nursing Management</b>	3	25	12.5	100	50						125
<b>Dissertation Viva</b>							100	50	100	50	200
<b>Child Health (Paediatric) Nursing -11</b>	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											<b>650</b>
<b>Total of Ist &amp; IInd Year</b>											<b>1500</b>

\* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

\*\*Nursing Research (Internal) =15 and Statistics (Internal) =10

1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.
5. Maximum number of candidates for all practical examination should not exceed ten per day.
6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

### 3.4. Papers in each year

As given under clause "Content of each subject in each year "



**3.5. Details of theory exams [include number of papers, Duration, Type of questions & number of questions and marks**

As given under “Scheme of examination showing Maximum and Minimum Marks and 3.6. “

**3.6. Model question paper for each subject with question paper pattern**

**Question Paper Pattern**

<b>I) All subjects with Maximum Marks:100</b>		
<b>Long Essay</b>	<b>1x20 marks 1x15 marks</b>	<b>35 marks</b>
<b>Short Essay</b>	<b>4x10 marks</b>	<b>40marks</b>
<b>Short Notes</b>	<b>5x5 marks</b>	<b>25 marks</b>
<b>Total Marks</b>		<b>100 marks</b>
<b>II) Nursing Research Max.marks:75</b>		
<b>Long Essay</b>	<b>2x15 marks</b>	<b>30 marks</b>
<b>Short Essay</b>	<b>3x10 marks</b>	<b>30 marks</b>
<b>Short notes</b>	<b>3x 5 marks</b>	<b>15 marks</b>
<b>Total Marks</b>		<b>75 marks</b>
<b>III) Statistics : 25 marks</b>		
<b>Statistical Calculations</b>	<b>1x10 marks</b>	<b>10 marks</b>
<b>Short notes</b>	<b>3x5 marks</b>	<b>15 marks</b>
<b>Total Marks</b>		<b>25 marks</b>

QP Code:

Reg. No.:.....

**I YEAR M.SC (NURSING) DEGREE EXAMINATION**

**ADVANCED NURSING PRACTICE**

**Model question paper**

Time: Three hours Maximum marks: 100 marks

***Answer all questions***

- I a. Define the concept of health promotion
- b. Explain the major assumptions of Penders' Health promotion model.
- c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.  
(2+8+10 = 20 marks)
  
2. Mr. M is admitted in the surgical ward with hemorrhagic shock after road traffic accident.
  - a. Explain the pathophysiology of haemorrhagic shock
  - b. List any 3 nursing diagnosis according to priority for this patient and prepare a care plan.  
(5+10=15marks)
  
3. Describe the basic elements and explain the barriers of communication (10 marks )
4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks )
5. Briefly explain the safe disposal of biomedical wastes (10 marks )
6. Explain the principles and techniques of counseling (10 marks )
  
- Write short notes on ( 5x 5 = 25 marks)
7. Anti retroviral therapy
8. Use of computers in nursing practice
9. Haemodialysis
10. Metabolic acidosis
11. Genetic counseling

\*\*\*\*\*





QP Code:

Reg. No.:.....

**FIRST YEAR M.Sc NURSING DEGREE EXAMINATION**

**NURSING RESEARCH & STATISTICS**

**MODEL QUESTION PAPER**

**Time: Three Hours. Maximum: 100 Marks**

**Answer Section A and B in separate answer books**

**SECTION A : NURSING RESEARCH**

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS' 15
2. Describe observation as a method of data collection. 15
3. Explain the criteria for selection of a research problem. 10
4. Describe the methods of controlling extraneous variables. 10
5. Explain the different types of sampling. 10

Write Short notes on

6. Evidence based practice.
7. Grounded theory.
8. Purposes of literature review. (3x5=15)

\*\*\*\*\*

**Section B: statistics**

9. Which is the appropriate statistical test to conclude in the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

\*\*\*\*\*

QP Code:

Reg. No.:.....

**First Year MSc Nursing Degree Examinations**

**NURSING EDUCATION**

**Model question paper**

Time : 3 hrs

Max.marks:100

Answer All Questions

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)
3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in education. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structured practical examination
11. Formative and summative evaluation ( 5x5=25)

\*\*\*\*\*

QP Code:

Reg. No.:.....

**First Year MSc Nursing Degree Examinations**

**Model question paper**

**CHILD HEALTH NURSING I**

**Time 3 hrs**

**Answer all questions**

**Max marks 100**

1. Discuss the indications and mechanism of action of exchange transfusion. Briefly explain the role on nurse to prevent complication (10+10)
2. Explain the concept and principles of integrated management of neonatal and child hood illness (15)
3. Describe the genetic pattern of common paediatric disorders (10)
4. Discuss the impact of maternal health on growth and development of Indian children (10)
5. Explain the learning disabilities and its management (10)
6. List the causes of cerebral palsy and describe the rehabilitation of a child with cerebral palsy (10)

**Write Short notes**

**(5X5=25marks)**

7. Cultural practices of nutritional assessment
8. Components of nutritional assessment
9. Behavioural problems of school children and their management
10. Concepts of preventive paediatrics
11. Essential care of a terminal ill child

\*\*\*\*\*



QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

*Answer all questions*

Time: 3 hrs

Max. marks: 100

Answer all questions.

1. Explain the principles of management with suitable examples. (20)
  2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)
  3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
  4. Explain the role of nurse administrator in supervision. (10)
  5. Explain the challenges and current trends in nursing administration. (10)
  6. Describe the steps of material management. (10)
- Write short notes (5x5=25)
7. Collective bargaining
  8. Nurses role in occupational health and safety.
  9. Legal issues in nursing
  10. Quality circle
  11. Conflict management

\*\*\*\*\*

**First Year MSc Nursing Degree Examinations**

Model question paper

**CHILD HEALTH NURSING II**

**Time 3 hrs**

**Answer all questions**

**Max marks 100**

1. Describe the signs and symptoms, pathophysiology and management of a child with bronchiolitis (4+6+10)
2. Explain in detail about the causes, signs and symptoms and pathophysiology of hydrocephalus (15)
3. Discuss the congenital cardiac defects with increased pulmonary flow under the following heading
  - Hemodynamic changes
  - Signs and symptoms (10)
4. Explain the immediate post operative management of a child with diaphragmatic hernia (10)
5. Discuss the ethical issues in child care (10)
6. Discuss the practice standards for paediatric care units (10)

**Write Short notes**

**(5X5=25 marks)**

7. Extended role of paediatric nurse
8. Nursing care of child with convulsions
9. Clinical features of rheumatic heart disease
10. Hirschsprungs' disease
11. Obstructive uropathy

\*\*\*\*\*

### **3.7. Internal assessment component**

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

### **3.8. Details of practical/clinical practicum exams to include Duration, Marks, Types of cases/ question**

#### **Practicals**

- hours of practical examination per student.
- Maximum number of 10 students per day per specialty.
- The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- Follow the evaluation guidelines for the conduct of practical examinations Refer 2.10

### **3.9. Number of examiners needed (Internal & External) and their qualifications**

- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

### **3.10. Details of viva:**

**Duration:** Viva-Voce -minimum 30 minutes per student.

## **4. INTERNSHIP**

### **4.1. Eligibility for internship**

Not applicable.

### **4.2. Details of internship**

Not applicable.

### **4.3. Model of Internship Mark lists**

Not applicable.

### **4.4. Extension rules**

As given under clause “ Leave , Vacation / Holidays permitted.

### **4.5. Details of training given**

Not applicable.

## **5. ANNEXURES**

### **5.1 Check Lists for Monitoring: Log Book, Seminar Assessment etc.**

As given under clause “Content of each subject in each year”

### **5.2. Template for Dissertation**



## GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year

.....Title.....

By

Name of the Candidate

Dissertation submitted to the  
Kerala University of Health Sciences

Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year



DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled  
“.....Title.....” is a bonafide and genuine research work carried out by  
me under the guidance of Name & designation of the Guide.

Signature of the candidate

Date:

Place:

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....  
Title.....”is a bonafide research work done by **Name of the Candidate** in partial  
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Guide

Name and designation

Date:

Place:



ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title  
.....”is a bonafide research work done by **Name of the Candidate** in partial  
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Principal

Name and designation

Date:

Place:

(College seal)



COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have  
The rights to preserve, use and disseminate this dissertation in print or electronic  
Format for academic/ research purpose.

Signature of the candidate

Date:

Place:

Name

ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives



Signature of the candidate

Date:

Place:

Name

## ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)



## TABLE OFCONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEWOFLITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS&INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	

LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
1.		
2.		



LIST OF APPENDICES (14size, Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

A.

B.

C.

D.



## CHAPTER 1

### INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

Objectives

Operational definitions

Assumptions (if any)

Hypothesis (Write research hypothesis)

Conceptual/theoretical framework

CHAPTER 2 (14size, bold )

REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

## CHAPTER 3 (14size,bold)

### METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis



CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)





CHAPTER 5 (14size,bold

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size,bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

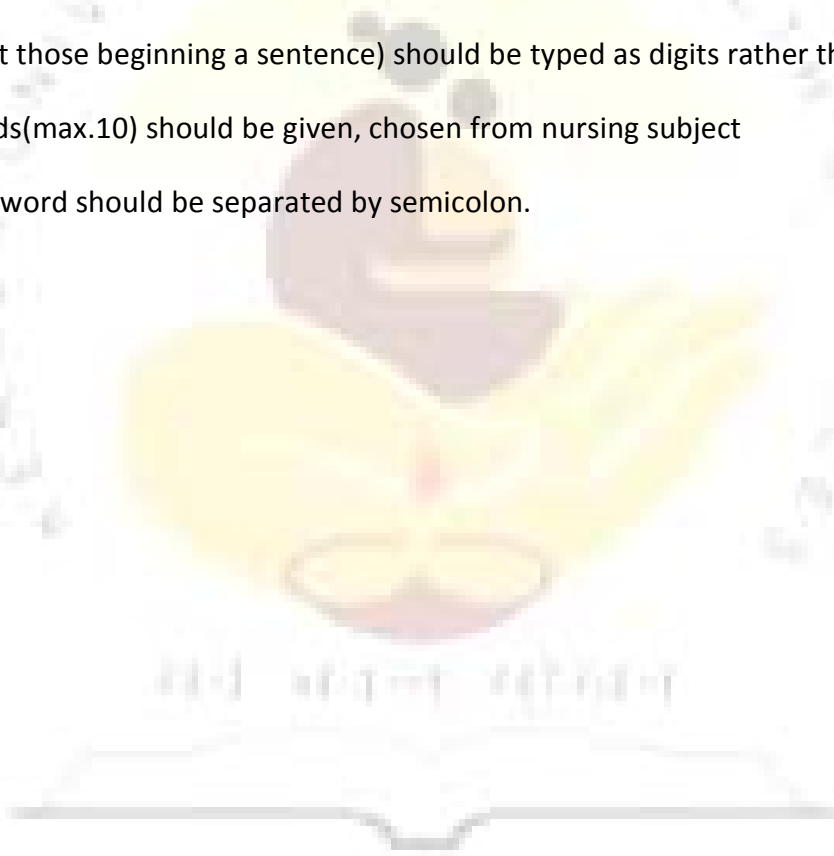
Limitations

Recommendations



## **Abstract**

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.



## Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

- I.) Bio- Data of the Guide
- II.) proposal of the study (maximum 4-6 pages)

## Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

Tools/Instrument (English)

### Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.

**KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES**  
**MEDICAL COLLEGE P.O., THRISSUR – 680 596**

Affix Photo

**PROFORMA FOR RECOGNITION OF POST GRADUATE TEACHER**

**[Read the instructions carefully before filling up the proforma]**

1. NAME:  
(in block letters)
2. DATE OF BIRTH: AGE:  
(Attested copy of SSLC marks card / proof of date of birth to be enclosed)
3. PRESENT DESIGNATION:
4. DEPARTMENT:
5. ADDRESS:

<p><b>COLLEGE ADDRESS</b></p>   <p>Phone (o) :                      Email: Hospital:                              College Fax:</p>	<p><b>PRESENT                      RESIDENTIAL</b></p> <p><b>ADDRESS</b></p>   <p>Phone ( R ):</p>
---	---

6. QUALIFICATION:  
(Attested Xerox copies of all the certificates to be enclosed)

SI No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				

**7. Teaching Experience**

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	



Total teaching experience				
Total teaching experience		Before PG _____	After PG _____	Total _____

**Note:**

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)  
(Regarding additional qualifications, achievements, publications, awards etc.,)

**Declaration by the Teacher**

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

**Signature of the Teacher**

**Endorsement by the Principal**

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

Place :

Date :

**Signature of the Principal**

**INSTRUCTIONS:**



1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.
2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.





**KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES**  
**MEDICAL COLLEGE P.O., THRISSUR – 680 596**  
**POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR**  
**CHANGE OF GUIDE**

**(Please Note: Change of guide is permitted only if the guide leaves the college, transferred to another college, retires or expires.)**

Date:

**A. Particulars of Candidate, and Existing Guide**

Candidate's Name & Address :

Name of the Institution :

Course of Study & Subject :

Date of Admission to Course :

Title of the Topic :

Name & Designation of Existing Guide :

Signature of the Candidate :

**B. PARTICULARS OF PROPOSED GUIDE**

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

*If yes, please furnish the particulars of university letter & If No, Please send his/her proforma for recognition as PG teacher*

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

**C: Endorsement for change of guide**

1. Remarks and Signature of the HOD :

2. Reason for change of guide:

Resigned / Retired/ any other

3. Remarks and Signature of the Principal:



## **Format for the submission of Dissertation Hard & Soft copy**

### **Instructions to candidates**

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

### **Paper**

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

### **Type Size and Print**

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

### **Pagination**

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

### **Spacing**

Use double spacing except for long quotations and footnotes which are single-spaced.

### **Margins**

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.

## **Photographs**

Professional quality black-and-white photographs are necessary for clear reproduction. Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.

## **File Fomat**

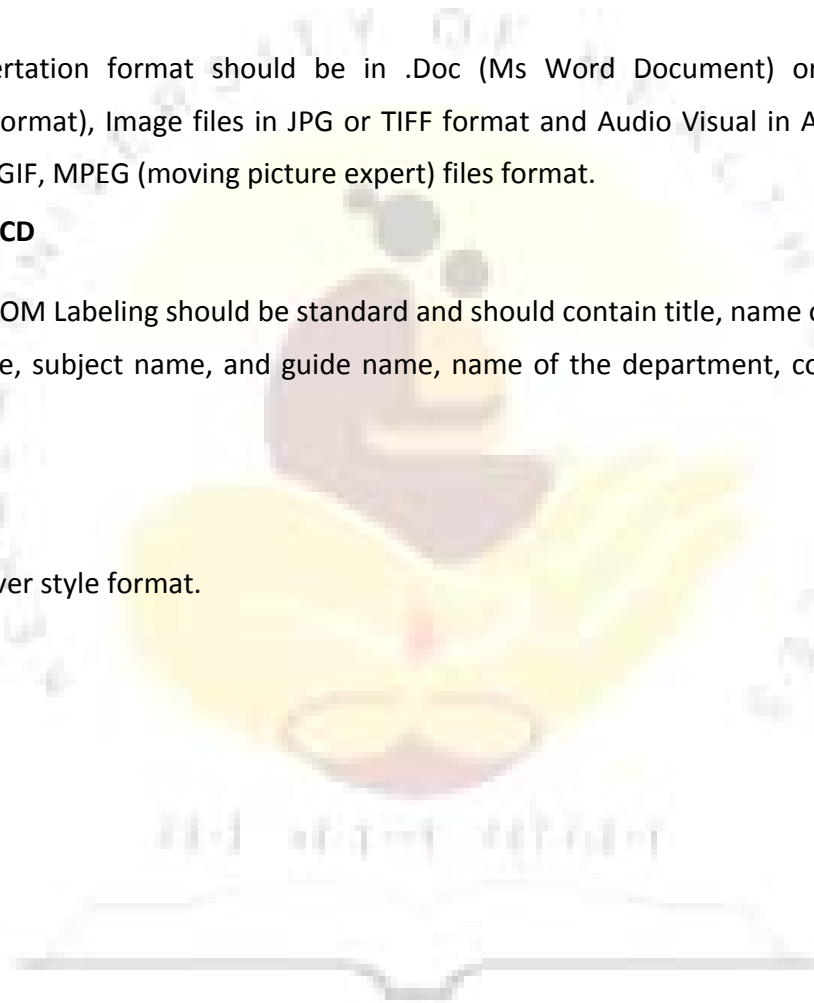
Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF, MPEG (moving picture expert) files format.

## **Labeling on CD**

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

## **References**

Vancouver style format.



**5.3. Template for Mark List showing Maximum & Minimum**

**KERALA UNIVERSITY OF HEALTH SCIENCES**

**THRISSUR – 680 596**

**STATEMENT OF MARKS**

Name of the Candidate .....

Reg No.

.....

Name of the college .....

Name of course: M.Sc Nursing -Child Health (Paediatric) Nursing

Examination : First Year M.Sc Nursing Regular Examination

Date of publication : .....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Child Health Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



**KERALA UNIVERSITY OF HEALTH SCIENCES**

**THRISSUR – 680 596**

**STATEMENT OF MARKS**

Name of the Candidate .....

Reg No.

Name of the college .....

Name of course : M.Sc Nursing -Child Health (Paediatric) Nursing

Examination :Second Year M.Sc Nursing Regular Examination

Date of publication :.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality - II Child Health (Paediatric) Nursing	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination

