

INTEGRAL UNIVERSITY, LUCKNOW
FACULTY OF NURSING
INTEGRAL INSTITUTE OF NURSING SCIENCES & RESEARCH



PhD ENTRANCE SYLLABUS
FOR
Ph.D. NURSING
Program

Effective from 2025-26

**FACULTY OF NURSING
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RESEARCH**

Ph.D. Admission
Entrance Examination Syllabus
2025-26

Table of content

Sl. No	Content	Description	Max Marks
1	Paper – I	Research Methodology and Biostatistics	25
2	Paper – II	Nursing Education and Advance Nursing Practice	25
3	Paper – III	Nursing Management and Administration	25
4	Paper – IV	Speciality Obstetric & Gynaecological Nursing Child Health Nursing Community	25
		TOTAL	100

Paper- I Research Methodology and Biostatistics:

1. Introduction Research Problem, Objectives, Scientific Methods, Research Approach, Research Design.

2. Publication, Plagiarism, Intellectual Property Rights Indexing Impact Factors, H index, citation index, Plagiarism check, intellectual property rights, Patents, Copyrights, Writing research report

3. Measures of central tendency, Measures of variability, Normal Distribution, Measure of relationship,

4. Testing hypothesis:

Non parametric test – Chi-square test, Sign, median test, Mann Whitney test, Parametric test – ‘t’ test, ANOVA, MANOVA, ANCOVA

Use of statistical methods in psychology and education :

Scaling – Z – Score, Z Scaling, Standard Score and T Score, Reliability of test Scores, test- retest method, parallel forms, split half method.

Application of statistics in health:

Ratios, Rates, Trends

Vital health statistics

5. Ethics in research and statics

6. Computer in Nursing

Window, Ms word, Ms excel with pictorial presentation, Ms access, Ms power point, Multimedia: type& uses, Computer aided teaching & testing, Use of Internet and e-mail, Statistical Packages: types and their features, Hospital Management system: Types and uses.

Paper- II Nursing Education & Advance Nursing Practice

1. Teaching, Learning process

- Educational Objectives & Strategies
- Instructional media and others

2. Measurement & Evaluation

- Principle of assessment
- Formative & summative
- Non standardized & non standardized test & tool

3. Curriculum Development

4. Health Care delivery system

- National
- State
- District
- Local Level
- Patterns of nursing care delivery in India
- IEM
- Computer allegation in patient care delivery system.

5. Philosophy & Nursing theory

6. Nursing practice

Alternative Modalities of care, alternative system of health care and complimentary therapies.

Extended and expanded role of nurse.

Disaster Nursing

Evidence based nursing practice.

Paper- III Nursing Management & Administration

(1) Introduction:

- Planning Process
- Various Committee report on health policies.

(2) Nursing Management

- Vision, Mission, Philosophy
- Decision making
- Co-ordination and delegation
- Theories & Model

(3) Planning & Fiscal Management

- PERT, Gantt chart, MBO.
- Budget
- Audit

(4) Human resources of health

- Recruitment, credentiality, selection, placement, promotion, retention, personal policies, termination, staff duty pro.

(5) Nursing Administration

Leadership

- Concept, Theories
- Styles
- Group dynamics
- Power and policies
- Performance appraisal: Tool, Confidential reports, format, management, interview

(6) Nursing Informatics

Use of computer in hospital and community

Patient record system

MIES

E-nursing telemedicine and telenursing

Papar IV Speciality

(A) Obstetric & Gynaecological Nursing

1.Introduction

National health and family welfare programmes related to maternal and child health: health care delivery system

2.Human reproduction

3.Pregnancy

Assessment, Diagnosis, Ante-natal, Intra-natal and post- natal

Stages of Labor and Management

Essential newborn care

4. Abnormal labor and all disorders of obstric and gynecological nursing

5. Pharmoco dynamics in obstetrics

6. Family Welfare and family planning services

.(B) Child Health Nursing

1.National health policy, Current trends in Child Health Nursing

2. Growth and development

3. Assessment of pediatric

4. Preventive pediatrics and pediatric nursing

5. IMNCI

6. Congenital disorders

(C) Community Health Nursing

- 1. Current status, trends and challenges of Community Health Nursing**
- 2. National health policy and plan**
- 3. Community health Nursing standards, competencies, Monitoring community health nursing, nursing audits**
- 4. Disaster nursing**
- 5. Maternal and neonatal care**
- 6. Information, education and communication**