

TANTIA UNIVERSITY, SRI GANGANAGAR

Syllabus Entrance Examination for Ph.D.

Subject- Nursing

Maximum Marks-100

Part A- 50 (Research Methodology)

Part B- 50 (Subject Wise)

PART-A

Research Methodology and Statistics

- UNIT 1: Meaning of Research
Aims, nature and scope of research
Prerequisites of research
- UNIT 2: Research Problem
Meaning of research problem Sources of research problem Characteristics of a good research problem
Hypothesis: Meaning and types of hypothesis. Research proposal or synopsis.
- UNIT 3: Types and Methods of Research
Classification of Research
Pure and Applied Research
Exploring or Formulative Research
Descriptive Research
Diagnostic Research/Study
Evaluation Research/Studies
Action Research
Experimental Research
Historical Research
Surveys
Case Study
Field Studies
- Unit 4: Review of Related Literature
Purpose of the review. Identification of the related literature. Organizing the related literature.
- UNIT 5: Data Collection (Sampling) Sampling and Population Techniques of sampling
Selection Characteristics of a good sample Types of data.

UNIT 6: Tools of Data Collection
Observation, Interview, Questionnaire, Rating scales, Attitude scales,
Schedules, Characteristics of good research tools.

UNIT 7: Statistics
Concept of statistics, relevance in education, parametric and non-
parametric data; graphical representation of data: histogram, frequency
polygon, ogive and pie chart; Measures of Central Tendency: concept,
computation and interpretation; measures of variability: concept,
computation and interpretation; normal probability curve: concept,
application and interpretation.

Correlation: concept, computation and interpretation- Product Moment,
Rank Order, Biserial, Point Biserial, Phi, Contingency, Tetrachoric;
significance of mean: concept, computation and interpretation of
significance of t-test(correlated and uncorrelated, matched, paired-
unpaired, matching- paired); ANOVA(One way) :concept, computation and
interpretation, regression and prediction; chi square: concept, computation
and interpretation (equal and normal probability).

UNIT 8: Research Report
Format of the research report Style of writing the report References and
bibliography

Reference books:

1. Best John W. and James Kahn, V., 1989, Research in Education, Sixth Edition,
Prentice- Hall of India Pvt.Ltd, New Delhi.
2. Sharma R.A., 1992, Fundamentals of Educational Research, Loyal Book Depot,
Meerut, UP, India.
3. Kulbir Singh Sidhu, 1990, Methodology of Research in Education, Sterling
Publishers
Pvt. Ltd., New Delhi.
4. Lokesh Koul, 1997 Methodology of educational Research, third edition, Vikas
Publishing
House Pvt. Ltd. , New Delhi.
5. Kothari C.R., 1990, Research Methodology Methods and Techniques, Wiley
Eastern
Limited, New Delhi.
6. Borg Walter R., Gall Meridith D., 1983, Educational Research an Introduction,
Fourth
Edition, Longaman, New York &London.

7. Nitko Anthony J., 1983, Educational Tests and Measurement an Introduction, Harcourt
Brace Jovanovich, Inc., New York.
8. Aggarwal Y.P., 1988, Statistical Methods Sterling Publishers Pvt. Ltd., New Delhi.
9. Garret Hnery E., 1985 Statistics in Psychology and Education, Viakils, Feffer and
Simon, Bombay.
10. Guilford, J.P., and Benjamin Fruchter, 1982 Fundamentals of statistics in
Psychology and
Education, Fifth edition, Mc Graw-Hill Book Company, New York.
11. Gupta S.C. and Kapoor V.K., 1999, Fundamentals of Mathematical Statistics,
Sultan
Chand& Sons Educational Publishers, New Delhi.
12. Grewal P.S., Methods of Statistics Analysis, Sterling Publishers Pvt. Ltd., New Delhi.
13. Bruce W. Tuckman, Statistics in Psychology and Education.

Part-B

I. Current health issues and policies - 8 hrs (T. Dileep kumar)

1. Analysis of current health problems – national & global
2. Health care delivery system in India
3. National health policy, population policy and alternative systems of
medicine
4. Health policy issues relevant to nursing practice – Development of nursing
services in health policy
5. The functions and roles of law in health care delivery – Existing
legislations related to nursing . Laws for new and emerging roles (eg)
Nurse practitioner, private practice (nursing homes)
8. Health economics and health policy
(Economics of health care and nursing)

II. Nursing Leadership:- 8 hrs (Dr Reddemma)

1. Leadership theories
3. Nursing leadership and change process
6. Nursing ethics
 - Code of ethics, professional conduct for nurses in India
 - Nursing standards, nursing practice, standards and quality assurance

III. Nursing informatics: 4 hrs (Dr Jolly Jose)

- Nursing management information system, Networking institutions through literature search.

Or

1. Overview of Computers and Nursing
2. Computer Systems- Data processing, the internet, a nursing resource
3. Nursing Informatics and health care policy, privacy, confidentiality and security
5. Applications- Practice applications, Administrative application (information technology for nursing managers), educational applications and Research applications.
7. The future of informatics

II. PHILOSOPHY OF NURSING SCIENCE AND THEORETICAL PERSPECTIVES- 15 hrs

Objectives:

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

1. analyze the historical roots and current status of contemporary nursing science
2. explicate the paradigms of inquiry which influence the investigation of nursing phenomena
3. explore the impact of scientific issues on the development of nursing science

SYLLABUS (Dr Punita)

1. Introduction to the course, study of philosophy, History of philosophy
2. History and philosophy of nursing science
3. Nursing as a science and a discipline (Evolution and development)

4. Nursing knowledge and development
 - Historical roots
 - Domains of nursing
 - Paradigms in nursing
 - Knowledge development
5. Paradigms that influence approach to nursing science development.
6. Epistemological and ontological assumptions of diverse approaches to knowledge generation in nursing.

III. NURSING THEORIES AND THEORY DEVELOPMENT- 40 hrs

Course overview:

This is designed to facilitate the refinement of the critical skills necessary for analyzing and evaluating theoretical formulations, synthesizing theoretical components into conceptual models and developing testable hypotheses. The interrelationships among theory and practice and research in nursing will be examined.

Objectives:

- to describe strategies for concept and theory development
- to get overview of nursing theories
- to evaluate theories used in nursing practices
- demonstrate skill in developing and testing conceptual models that will impact nursing science
- examine interrelationship among science, theory, practice and research in nursing.

Syllabus:

1. Epistemology- 5 hrs (Dr Jolly Jose)
 - Concepts, statements and theories
 - Strategies for theory development
 - Evaluation of theories
 - Met theory
2. Overview of theory in nursing- 10 hrs Dr Manju Vatsa
 - Overview of theory

- Importance of theory in nursing
- Historical overview
- Classification of theories in nursing
- Issues in theory development in Nursing
- Nursing Theory : an examination of the concept development of nursing theory.

3. Overview of nursing theories- 15 hrs Dr Asha Sharma

The theorists and the theories

- On nursing clients
- On human being - Environment interactions
- On interactions
- On nursing therapeutics
- Other theories

4,5,6,7=10 hrs (Dr Reddemma)

4. Analysis of Nursing theories & evaluation of nursing theories-
5. Nursing theory and practice
6. Nursing theory and research
7. Inter relationships between science, theory, practice and research in Nursing.