



# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

Delhi Road, Moradabad (U.P.)

## **SYLLABUS FOR RESEARCH APTITUDE TEST IN NURSING**

The syllabus for Research Aptitude Test (RAT) in Nursing is divided in two parts viz. Part A and Part B as described below:

### **PART – A**

Part A of the RAT shall be designed to assess the research skills/aptitude of the candidate consisting of questions from the following areas:

- 1. Research Methodology:** meaning, characteristics, and ethical issues in research; types of research; research methods.
- 2. Logical Reasoning:** arguments, deductive and inductive research; logical and Venn diagram; inferences; analogies.
- 3. Data Interpretation:** interpretation of data; mapping and analysis of data, tools for data analysis; quantitative and qualitative research.
- 4. General Awareness about Basic Science:** basic science up to the level of SSC.
- 5. Mathematical Reasoning:** number series, letter series, codes; relationships, classification.

### **PART – B**

Part-B of RAT is designed to assess the subject specific knowledge of the candidate covering the syllabus given as below:

**Nursing Education:** Introduction, principles, concepts, trends, and issues related to nursing education.

**Nursing Administration:** Philosophy, purpose, elements, principles and scope of administration, planning, organisation, human resource for health, directing, material management, controlling, fiscal planning, nursing informatics.

**Advance Nursing Practice:** Nursing as a profession, health care delivery, genetics, epidemiology, bio-psycho social pathology, nursing process approach, psychological aspects and human relation, nursing practice, computer applications for patient care delivery system and nursing practice

**Nursing Theories:** Introduction, importance, characteristics, basic processes in the development of nursing theories; philosophy and theories of nursing- general system theory, adaptation theory, developmental theory; common concepts in nursing theories, historical perspectives; nursing philosophies – Florence nightingale’s legacy of caring,

Ernestine Wiedenbach: the helping art of clinical nursing , Virginia Henderson's definition of nursing, Faye G. Abedallah's typology of twenty one nursing problems, Jean Watson's philosophy and science of caring, Patricia Benner's primacy of caring.

**General knowledge relating to nursing profession.**