



# TEERTHANKER MAHAVEER UNIVERSITY

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

Delhi Road, Moradabad (U.P.)

## SYLLABUS FOR TMU RESEARCH APTITUDE TEST IN PUBLIC HEALTH DENTISTRY

The syllabus for TMU Research Aptitude Test (TRAT) in Public Health Dentistry is divided in two parts viz. Part A and Part B as described below:

### PART – A

Part A of the TRAT 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:

**Epidemiology:** Aims & general principles, methods in epidemiology, ethical conversation in any study requirement, new knowledge regarding ethical subjects.

**Public Health Education:** Definition, aims, principles of health education. Health education methods, models, contents, planning health education programs.

**Oral survey procedures:** Planning, Implementation, WHO basic oral health methods 1997, 2013. Indices for dental diseases & condition, Evaluation

**Preventive dentistry:** Fluoride, Pit & Fissure, Sealents, Caries vaccines, Plaque control measures.

**Delivery of Dental care:** Dental person power, Dental Auxiliaries, School dental health program- Incremental and Comprehensive care. Oral health policy- National & International policy.