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.


- **Preventive dentistry**: Fluoride, Pit & Fissure, Sealants, 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.