



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 PEDODONTICS & PREVENTIVE DENTISTRY

The syllabus for TMU Research Aptitude Test (TRAT) in Pedodontics & Preventive 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:

1. Growth & Development
2. Child Psychology & Behaviour Management
3. Case History, Diagnosis & Treatment Planning In Pediatric Dentistry
4. Infant Oral Health Care, Anticipatory Guidance, Dental Home Concept
5. Preventive Dentistry Concepts
6. Cariology
7. Pediatric Operative Dentistry
8. Pediatric Endodontics

- 9.** Pharmacology As Applied To Pediatric Dentistry
- 10.** Hospital Pediatric Dentistry
- 11.** Oral Habits
- 12.** Preventive & Interceptive Orthodontic Procedures In Pediatric Dentistry
- 13.** Traumatic Injuries To Anterior Teeth
- 14.** Dental Materials Used In Pediatric Dentistry
- 15.** Pediatric Oral Medicine & Oral Pathological Conditions
- 16.** Oral Manifestations Of Systemic Conditions In Children & Their Management
- 17.** Dental Care Of Children With Special Needs
- 18.** Child Abuse & Neglect
- 19.** Dental Health Education & School Dental Health Programmes
- 20.** Minor Oral Surgical Procedures In Children