

**APRCET-2018
Andhra University
Visakhapatnam**

PART-A

Part A will cover 90 Objective Type Questions carrying 90 marks of 90 Minutes duration. Each question carries 1 mark. There will be negative marks for wrong answers. Each wrong answer will be penalized @ $1/6^{\text{th}}$ of the marks prescribed for the question.

(00) TEACHING AND RESEARCH APTITUDE

I. Teaching Aptitude :

- Teaching : Nature, Objectives, Characteristics and Basic Requirements.
- Learner's Characteristics.
- Factors affecting Teaching.
- Methods of Teaching.
- Teaching aids.
- Evaluation Systems

II. Research Aptitude :

- Research : Meaning, Characteristics and Types;
- Steps of Research.
- Methods of Research.
- Research Ethics.
- Paper, Articles, Workshop, Seminar, Conference and Symposium.
- Thesis Writing : Its characteristics and format.

III. Reading Comprehension :

- A passage to be set with questions to be answered.

IV. Communication :

- Communication : Nature, Characteristics, Types, Barriers and Effective Classroom Communication.

V. Reasoning (including Mathematical) :

- Number Series; Letter Series; Codes.
- Relationships; Classification.

VI. Logical Reasoning :

- Understanding the Structure of Argument.
- Evaluating and distinguishing Deductive and Inductive Reasoning.
- Verbal Analogies; Word Analogy – Applied Analogy.
- Verbal Classification.
- Reasoning Logical Diagrams; Simple Diagrammatic Relationship, Multi – Diagrammatic Relationship.
- Venn Diagram; Analytical Reasoning.
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VII. Data Interpretation :

- Sources, Acquisition and Interpretation of Data.
- Quantitative and Qualitative Data.
- Graphical Representation and Mapping of Data.

VIII. Information and Communication Technology (ICT) :

- ICT : Meaning, Advantages, Disadvantages and Uses.
- General Abbreviation and Terminology.
- Basics of Internet and E – mailing.

IX. People and Environment :

- People and Environment Interaction.
- Sources of Pollution.
- Pollutants and their impact on Human Life, Exploitation of Natural and Energy Resources.
- Natural hazards and mitigation.

X. Higher Education System : Governance, Polity and Administration :

- Structure of the Institutions for Higher Learning and Research in India; Formal and Distance Education; Professional / Technical and General Education; Value Education; Governance, Polity and Administration; Concept, Institutions and their Interactions.