

Faculty of Social Sciences
A.M.U. Aligarh.
Paper I: Research Aptitude

MM: 40
(40CQs)

I. Teaching Aptitude

- a) Teaching: Nature, objectives, characteristics and basic requirements
- b) Learner's characteristics
- c) Factors affecting teaching
- d) Methods of teaching
- e) Teaching aids
- f) Evaluation systems

II. Research Aptitude

- a) Research: Meaning, characteristics and types
- b) Steps of research
- c) Methods of research
- d) Research Ethics
- e) Paper, article, workshop, seminar, conference and symposium
- f) Thesis writing: its characteristics and format

III. Reading Comprehension:

A passage to be set with questions to be answered

IV. Communication:

Nature, characteristics, types, barriers and effective classroom communication.

V. Reasoning (Including Mathematical):

Number series; letter series; codes
Relationships; classification

VI. Logical Reasoning

- a) Understanding the structure of arguments
- b) Evaluating and distinguishing deductive and inductive reasoning
- c) Verbal analogies: Word analogy– Applied analogy
- d) Verbal classification
- e) Reasoning Logical Diagrams: Simple diagrammatic relationship, multi-diagrammatic relationship
- f) Venn diagram
- g) Analytical Reasoning

VII. Data Interpretation

- a) Sources, acquisition and interpretation of data
- b) Quantitative and qualitative data
- c) Graphical representation and mapping of data.

VIII. Information & Communication Technology (ICT)

- a) ICT : meaning, advantages, disadvantages and uses
- b) General abbreviations and terminology
- c) Basics of internet and e-mailing

IX. People and Environment

- a) People and environment interaction
- b) Sources of pollution
- c) Pollutants and their impact on human life, exploitation of natural and energy resources
- d) Natural hazards and mitigation

X. Higher Education System: Governance, Polity and Administration

- a) Structure of the institutions for higher learning and research in India
- b) Formal and distance education
- c) Professional/technical and general education
- d) Value education: governance, polity and administration
- e) Concept, institutions and their interactions

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