Faculty of Social Sciences
A.M.U. Aligarh.

Paper I: Research Aptitude

MP.1.03 (2018-19)

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