

**SYLLABUS: PAPER – I**

**M.Phil/Ph.D. Entrance Test**

**TEACHING & RESEARCH APTITUDE**

- Methods of teaching
- Teaching aids
- **Research:** Meaning, Characteristics and types
- Steps of research
- Methods of research
- Research Ethics,
- Paper, article, workshop, seminar, conference and symposium

**GENERAL ENGLISH**

- Reasoning, Comprehension, Writing & analytical skills
- Communication: Nature, characteristics, types, barriers and effective classroom communication.

**Reasoning (Elementary)**

- Number series, letter series, codes
- Relationships, classification
- Evaluating and distinguishing deductive and inductive reasoning
- Verbal analogies: Word analogy-Applied analogy
- Verbal classification
- Reasoning
- Analytical Reasoning

**Data Interpretation (Basic)**

- Sources, acquisition and interpretation of data
- Quantitative and qualitative data
- Graphical representation and mapping of data

**Information and Communication Technology (ICT)**

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

**People and Environment (General)**

- People and environment interaction
- Sources of pollution
- Pollutants and their impact on human life, exploitation of natural and energy resources
- Natural Hazards and mitigation.