

## **Syllabus for Ph.D. Entrance Examination**

### **Research Methodology and General Aptitude**

#### **Section 1: Research Aptitude**

Research: Meaning, characteristics and types; Steps of research, Methods of research; Research Ethics; Paper, article, workshop, seminar, conference and symposium.

#### **Section 2: Reasoning (Including Mathematical)**

Number series; letter series; codes; Relationships; classification.

#### **Section 3: Logical Reasoning**

Understanding the structure of arguments; Evaluating and distinguishing deductive and inductive reasoning; Verbal analogies: Word Analogy-Applied analogy; Reasoning Logical Diagrams: Simple diagrammatic relationship, multi-diagrammatic relationship; Venn diagram; Analytical Reasoning.

#### **Section 4: Data Interpretation**

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