

# **Certificate Course in ‘Logical Aptitude for Competitive Exam’**

**June 2018-19**

## **Syllabus**

### **Unit 1. Nature and scope of logic (8 Lectures)**

1. Means of knowledge
2. Inference
3. Deductive and Inductive Inference
4. Truth and Validity

### **Unit 2. Classification of propositions: (8 Lectures)**

1. Proposition and Sentence
2. Contrary and Contradictory Terms
3. The four fold scheme of propositions
4. Signs of quantity

### **Unit 3. Immediate Inferences: (8 Lectures)**

1. Opposition of proposition with Venn’s diagram
2. Conversion and Obversion

### **Unit 4. Mediate Inferences: (8 Lectures)**

1. Categorical syllogism by Venn’s Diagram
2. Hypothetical and Disjunctive syllogism

### **Unit 5. Fallacies: (8 Lectures)**

1. Verbal - Equivocation, Amphiboly, Division, Composition
2. Non-verbal - Accident, Converse Accident, Many Questions, Petitio Principii

### **Books for reference-**

1. Introduction to logic – K.T. Basantani
2. An Introduction to Logic – I.M. Copi
3. तर्कविद्या भाग १ व २ – जोशी, कुलकर्णी, मठवाले
4. तर्कशास्त्र प्रवेश – हुल्याळकर, काळे