

II Semester

Paper V

WESTERN LOGIC

Unit – 1

Introduction

Definition and Scope of Logic, Division of Logic, Logic and Other Sciences – Psychology, Metaphysics and Grammar – Functions of Languages

Unit – 2

Basic terms and Principles

Terms, Words, Sentences, Propositions, Connotation – Denotation - and their Relation, Classification of Terms and Proposition, Distribution of Terms Using Venn Diagram, Logical Definition – Genus and Differentia, Laws of Thought

Unit – 3

Immediate Inference

Opposition of Proposition – Square of Opposition – Conversion and Obversion

Unit – 4

Mediate Inference

Categorical Syllogism – Rules – Figures and Moods – Venn diagram - Hypothetical Syllogism – Disjunctive Syllogism – Dilemma

Unit – 5

Enthymemes

Polysyllogism – Progressive and Regressive and Sorites

Books for study: (Relevant Chapter only)

1. Irvin M. Copi, Introduction to Logic, 3rd ed.
2. Bholonath Roy, Text book of Deduction Logic
3. T.N.Ganapathy, Invitation of Logic
4. William J.Kilgore, An Introduction to Logic