

CLUSTER UNIVERSITY

Discipline Specific Elective Course (DSE)

Philosophy (CBCS) 2018

B A Program

Semester - VI: Logic and Scientific Method (Optional) -II

Unit – I:

1. Scope of Logic
2. Laws of Thought (i) Law of Identity (ii) Law of Contradiction (iii) Law of Excluded Middle (iv) Law of Sufficient Reason
3. Deduction and Induction

Unit – II :

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|-------------------|---|
| 1. Proposition | Types of proposition, Forms of proposition according to quantity and quality (AEIO) |
| 2. Syllogism | Types of Syllogism |
| 3. Symbolic Logic | Negation, Conjunction, Disjunction, Implication |

Unit – III :

1. Scientific Method Hypothesis
2. Scientific and unscientific explanation, Evaluating Scientific Explanations
3. Fallacies of Relevance and Ambiguity

Unit IV :

1. Mills Methods
 - a. Method of agreement and Difference
 - b. Method of Concomitant variation
 - c. Method of Residue

Suggested reading

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| 1. B.N. Roy | A textbook of Deductive Logic |
| 2. I. M. Gopi | Introduction to Logic |
| 3. T. T. Jahagirdhar and S. C. Jugal | Elementary Modern Logic |
| 4. K. M. Sharma | Logic |
| 5. B. S. Sany | Introduction to Logic |
| 6. Irving M. Copi and Carl Cohen | Introduction to Logic |
| 7. Irving M. Copi | Symbolic Logic |
| 8. B. N. Ghosh and Roma Ghosh | A textbook of deductive Logic |
| 9. Basson and Oconor | Introduction to Symbolic Logic |
| 10. Hurley | Introduction to Logic |

