

PHILOSOPHY SEMESTER - I
MJC-1 : DEDUCTIVE LOGIC

Objectives: After the completion of the course, the students will be able to:

1. Develop the ability of logical aptitude and reasoning in resolving the various issues and to ascertain the truth of life.
2. Get rid of Superstitions, dogmas and illusions.
3. Develop understanding related to right belief, faith and reality in socio-religious realm of life.
4. Remove the ambiguity and vagueness of language and reach the clarity of thought and vision.
5. Develop potentiality towards logical argumentation.

MJC-1 : DEDUCTIVE LOGIC (Theory: 6 credits)		
Unit	Topics to be covered	No. of Hours
1	<ol style="list-style-type: none"> 1. Subject-Matter and Branches of Logic 2. Nature and classification of Term, Proposition and Argument 3. Truth and Validity. 	10
2	<ol style="list-style-type: none"> 1. Symbolisation of Propositions. 2. A. Statement and statement forms B. Argument and argument forms. 3. Test of Truth and Validity through truth table. 	10
3	<ol style="list-style-type: none"> 1. Classification of Categorical Propositions according to Quality and Quantity 2. Distribution of Terms and Square of opposition 3. Immediate Inference : Conversion and Obversion 	10
4	<ol style="list-style-type: none"> 1. Categorical Syllogism 2. Syllogistic Rules and Fallacies 	15
5.	1. Bullen Interpretation of Propositions: Venn Diagram Technique of Testing the Validity of Syllogism	15
	TOTAL	60

Outcome: To attain error-free knowledge.

Reading List :

1. Copi, I.M. *Introduction to Logic*, New Delhi: Pearson, 2014, 2017.
2. Copi, I.M. *Introduction to Symbolic Logic*
3. Cohen, Morris and Ernst Nagel, *An Introduction to Logic and Scientific Method*, Delhi, Allied Publishers, 1968.
4. Gangadutta Jha, *Nigaman Tarkashastra*, Students Friends, 1988.
5. Ashok Kumar Verma, *Nigaman Tarkashastra*, Motilal Banarsidas, Patna
6. Basson And O'connor, *Introduction To Symbolic Logic*.
7. Dr Kedarnath Tiwari- *Tarkashastra Parichaya* (An introduction to logic)
8. Prof Ashok kumar verma, *Pratikatmak Tarkshastra*.
9. B.N.Roy, *Text Book of Deductive Logic*.

[Signature]
14.06.23

[Signature]
14/06/2023

[Signature]
14/6/23