



K16U 1178

Reg. No. : .....

Name : .....

II Semester B.A. Degree (CCSS-Reg./Supple./Improv.)

Examination, May 2016

CORE COURSE IN PHILOSOPHY

2B02 PHI : Logic and Scientific Method

(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

PART - A

Answer **all** questions. **Each** question carries 1 mark.

Fill in the blanks.

1. Logical statements are technically known as \_\_\_\_\_.
2. All Universal Categorical Propositions commonly distribute their \_\_\_\_\_.
3. The relation between an A proposition and an O proposition is known as \_\_\_\_\_.
4. In a complex Dilemma the conclusion will always be \_\_\_\_\_ proposition.  
(4x1=4 Marks)

PART - B

Write short notes on **any seven** of the following. Answer should **not** exceed **50** words **each**. **Each** question carries **2** marks.

5. Terms.
6. Validity.
7. Sub contrary relation.
8. Fallacy of ambiguous major.
9. Modus tollens.
10. Conversion.
11. Hypothesis.
12. Disjunctive proposition.
13. Take the Dilemma by Horns.
14. Immediate inference.  
(7x2=14 Marks)

P.T.O.



PART - C

Answer **any four** of the following. Answer should **not** exceed **100** words **each**. Each question carries **3** marks.

15. Give an account of the subject matter of logic.
16. Explain the structure of hypothetical syllogism.
17. What is meant by Obversion ? Explain with examples.
18. Examine the different types of categorical propositions based on quantity and quality.
19. Describe inductive leap.
20. Construct a complex constructive Dilemma and Rebutt it. (4×3=12 Marks)

PART - D

Answer **any two** questions. Answer should **not** exceed **250** words **each**. Each question carries **5** marks.

21. Draw the square of opposition and bring out the different relations between propositions.
22. Find out the fallacy of the following arguments and explain it.
  - a) All fans are coolers.  
No tables are fans.  
No tables are coolers.
  - b) All men are clever.  
All clever are students.  
All students are men.
23. What are the rules of Disjunctive syllogism ? Explain the fallacies.
24. Discuss the nature of scientific induction. Explain the different stages of it. (2×5=10 Marks)