



K18U 0480

Reg. No. :

Name :

II Semester B.A. Degree (C.B.C.S.S. – Reg./Supple./Imp.) Examination, May 2018
CORE COURSE IN PHILOSOPHY
2B02 PHI : Logic and Scientific Method
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

PART – A

Choose the most appropriate answers. Answer **all** questions. **Each** answer carries **1** mark.

1. Inference is a process of deriving _____ from the premises.
a) Statement b) Judgement c) Relation d) Conclusion
2. Which one of the following is a conversion of **All students are intelligent** ?
a) No students are intelligent
b) Some students are intelligent
c) Some intelligent persons are students
d) Some students are not intelligent
3. The relation between A and E propositions is known as _____
a) Contradictory b) Contrary c) Sub contrary d) Subaltern
4. A verified hypothesis is called _____
a) Theory b) Guess c) Explanation d) Law (4×1=4)

PART – B

Answer **any seven** questions. Answers should **not** exceed **50** words. **Each** answer carries **2** marks.

5. What are important uses of studying logic ?
6. Write a short account on conclusion indicators.
7. What is meant by quantity of categorical proposition ?
8. Give a basic definition of fallacy.

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9. Discuss the role of Middle term in Categorical Syllogism to derive a conclusion.
10. Explain the rules of Conversion.
11. Write an example of a Simple Constructive Dilemma.
12. What is meant by enumerative induction ?
13. Give a brief account on Analogy.
14. Discuss the features of Inductive leap. (7×2=14)

PART – C

Answer **any four** questions. Answers should **not** exceed **100** words. **Each** answer carries **3** marks.

15. Distinguish between Truth and Validity.
16. Give an account of the four fold classification of categorical propositions.
17. Describe the important rules of *Obversion*.
18. Explain the fallacy of *Illicit major* with an example.
19. What is meant by *Modus tollens* ?
20. Describe the method of *taking Dilemma by horns*. (4×3=12)

PART – D

Answer **any two** questions. Answers should **not** exceed **250** words. **Each** answer carries **5** marks.

21. Give an account of the distribution of terms in different categorical propositions with suitable examples.
22. Discuss the structure of Disjunctive Syllogism. What are the important rules and fallacies of it ?
23. Define induction. Discuss the problem of induction.
24. Explain the rules of Rebuttal. Rebutt the following Dilemma.

If it rains, you will get wet and if it is cold, you will shiver.

Either it is raining or it is cold.

Therefore either you will get wet or you will shiver.

(2×5=10)