



K19U 0232

Reg. No. :

Name :

II Semester B.A. Degree (CBCSS – Reg./Supple./Improv.)

Examination, April 2019

(2014 Admission Onwards)

CORE COURSE IN PHILOSOPHY

2B02 PHI : Logic and Scientific Method

Time : 3 Hours

Max. Marks : 40

PART – A

Fill up the blanks. Answer **all** questions. **Each** answer carries **1** mark.

1. Error in reasoning is technically referred as _____
2. Reasoning is the process of drawing a conclusion from the _____
3. Modus ponens is a type of _____ syllogism.
4. A temporary explanation formed to explain a phenomenon is called _____ **(4×1=4)**

PART – B

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

5. Define logic.
6. Distinguish between Categorical and Conditional propositions.
7. What is meant by Immediate Inference ?
8. Give the Contrary opposition of *All artists are geniuses*.
9. Explain Modus tollens.

P.T.O.



10. Examine the nature of propositions of a Complex Constructive Dilemma.
11. What is meant by Inductive leap ?
12. Define the Middle term of a Categorical Syllogism.
13. Find the Conversion of *No scientists are sincere*.
14. Discuss the fallacy of Improper Disjunction. (7×2=14)

PART – C

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

15. What are the important uses of studying logic ?
16. Give an account of classification of Categorical propositions on the basis of quantity and quality.
17. Discuss the fallacy of undistributed middle.
18. Describe the structure of Simple constructive dilemma with an example.
19. What is meant by Enumerative Induction ?
20. Examine the major differences between Induction and Deduction. (4×3=12)

PART – D

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

21. Explain the nature of logic and examine its subject matter.
 22. Describe the rules of distribution of terms in different categorical propositions.
 23. Check the validity of the following argument.
All bats are mammals
No rats are bats
Therefore no rats are mammals.
 24. What is meant by Scientific Induction ? Discuss the different stages of it. (2×5=10)
-