

Reg. No. :

Name :

I Semester B.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN PHILOSOPHY
1C01 PHI : Deductive Logic and Reasoning Aptitude

Time : 3 Hours

Max. Marks : 40

PART – A
(Short Answer)

Answer all questions. Each answer carries 1 mark.

1. Define logic.
2. Distinguish between a concrete and abstract term.
3. Define a proposition.
4. Name the connecting link that connects the subject and predicate of a proposition.
5. 'No athletes are vegetarians'. Identify the categorical proposition.
6. Define a syllogism.

(6×1=6)

PART – B
(Short Essay)

Answer any six questions. Each question carries 2 marks.

7. Distinguish between a deductive and inductive argument.
8. Give two premise indicators and two conclusion indicators.
9. What are contradictories, in a square of opposition?
10. Distinguish between immediate inference and mediate inference.
11. Distinguish between quantity and quality of categorical propositions.

P.T.O.

K22U 3378

12. 'Some athletes are women'. Give the distribution of the subject and predicate of this proposition.
13. Given that the proposition 'No animals with horns are carnivores' is true, determine the truth value of the proposition 'Some animals with horns are carnivores'.
14. Distinguish between truth and validity.

(6×2=12)

PART – C
(Essay)

Answer any four questions. Each answer carries 3 marks.

15. Explain the distribution of the A, E, I and O propositions.
16. Bring to light the uses of studying logic.
17. What is a hypothetical syllogism? State the rules of a valid hypothetical syllogism.
18. Explain constructive and destructive hypothetical syllogisms and analyse the fallacies resulting from the violation of these rules.
19. Explain the first rule of a categorical syllogism and analyse the fallacies resulting from its violation.
20. Explain the figure of a syllogism.

(4×3=12)

PART – D
(Long Essay)

Answer any two questions. Each question carries 5 marks.

21. What is a dilemma? Explain the four types of dilemmas and the methods of meeting a dilemma.
22. Explain the rules of the categorical syllogisms and the fallacies resulting from their violation.
23. Explain the immediate inference of opposition and articulate the structure of the traditional square of opposition.
24. Represent the distribution of categorical propositions using the Euler's circles.

(2×5=10)

