QP CODE

H2072

Enrollment Number: ……

Name: ……

M.A. DEGREE EXAMINATIONS, MARCH 2026
Fourth Semester
M.A. Philosophy
M23PH02SC – Reasoning and Problem-Solving Techniques
(2023 July admissions)

Time: 3 Hours **Max Marks: 70**

Section A

Answer any ten of the following questions in a word or sentence each. Each question carries 1 mark.

1. Who formulated the five experimental methods of causal reasoning?
2. What do we call the words "All" and "Some" in a categorical proposition?
3. Name the term that occurs in both premises but not in the conclusion.
4. What is meant by the fallacy of equivocation?
5. State the basic requirement of the Method of Difference.
6. Name the philosopher who proposed the Method of Agreement.
7. If an "E" proposition is false, what is the truth value of the corresponding "I" proposition in the Square of Opposition?
8. Define a self-contradictory statement.
9. What type of support do deductive arguments give to their conclusions?
10. What logical fallacy is known as *Petitio Principii*?
11. Which logical connective is used in a disjunctive syllogism?
12. Which fallacy concludes something exists because it hasn't been proven false?
13. What can be said about the truth value of a contingent proposition?
14. Name the fallacy involved when the consequent is affirmed in a conditional argument.
15. What is the fallacy that attacks the person instead of the argument?

(1X10=10)

Section B

Answer any five of the following questions in two or three sentences each. Each question carries 2 marks.

16. Explain the notion of Existential Import in Categorical Logic.
17. State the difference between deduction and induction.
18. Identify Logical Constants.

19. Describe Mill's Method of Residues.
20. Clarify the meaning of Analogy.
21. State the meaning of Argumentum ad Baculum.
22. Briefly explain the Method of Concomitant Variation.
23. Discuss the concept of Strict Implication.
24. What is Illicit Major?
25. Define Logic.

(2X5=10)

Section C

Answer any five of the following questions in a paragraph each. Each question carries 4 marks.

26. Discuss the rules of Distribution for A, E, I, and O propositions.
27. Discuss the Problem of Induction as raised by David Hume.
28. Explain the use of Venn Diagrams to test the validity of a AAA-1 syllogism.
29. Define and illustrate "Modus Ponens" and "Modus Tollens."
30. Discuss the Joint Method of Agreement and Difference.
31. Analyse the Fallacy of Complex Question.
32. Explain the process and rules of "Conversion" in Immediate Inference.
33. Explain the difference between Truth and Validity.

(4X5=20)

Section D

Answer any three of the following questions in two pages each. Each question carries 10 marks.

34. Critically evaluate J.S. Mill's Methods of Experimental Inquiry. Are they sufficient for scientific discovery.
35. Elaborate on the Square of Opposition. Discuss the relationship between propositions in detail.
36. Discuss the role of Language in Logic. How do emotive language and ambiguity lead to Fallacious reasoning.
37. Discuss the "Method of Concomitant Variation" and the "Method of Residues."
38. Explain the Figures and Moods of a syllogism. Why are only certain moods valid in each figure?
39. Discuss the nature, scope, and significance of logic in the development of critical thinking.

(10X3=30)