



K26P 0656

Reg. No. :

Name :

IV Semester M.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supple./Imp.)

Examination, April 2026

(2023 Admission Onwards)

PHILOSOPHY

MAPHL04C15 : Philosophy of Science

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** questions. **Each** question carries **3** marks.

1. Write a short note on the Logical Positivist criterion of verifiability.
2. What is Popper's concept of falsifiability ?
3. Explain the notion of "observation as theory-laden".
4. What is Mill's Method of Agreement ?
5. What is scientific instrumentalism ?
6. Write a brief note on Robert Merton's norms of science.

(5×3=15)

PART – B

Answer **any three**. **Each** question carries **6** marks.

7. Explain the Deductive–Nomological (D–N) model of explanation.
8. Discuss Bacon's inductive method.
9. Write a short essay on relativism and epistemological anarchism.
10. Explain constructive empiricism with reference to Bas van Fraassen.
11. Discuss Bruno Latour's critique of traditional philosophy of science.

(3×6=18)

PART – C

Answer **any three**. **Each** question carries **9** marks.

12. Evaluate Popper's solution to the demarcation problem.
13. Examine Kuhn's concept of scientific revolutions and paradigm shifts.
14. Discuss the major varieties of anti-realism with suitable examples.
15. Explain the social constructivist approach to science with special reference to Latour and Woolgar.
16. Discuss the feminist critiques of positivism and the notion of scientific objectivity.

(3×9=27)