



K23P 1367

Reg. No. :

Name :

12
III Semester M.A. Degree (CBSS – Reg./Supple./Imp.)
Examination, October 2023
(2020 Admission Onwards)
PHILOSOPHY
PHI 3C12 – Philosophy of Science

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any one** question. Answers should **not** exceed **800** words. **Each** answer carries **15** marks.

1. What are the objectives of philosophy of science ? Examine the relation between philosophy and science.
2. 'A mature science, according to Kuhn, experiences alternating phases of normal science and revolutions.' Elucidate this statement. (1×15=15)

PART – B

Answer **any three** questions. Answers should **not** exceed **400** words. **Each** answer carries **10** marks.

3. Distinguish between verificationism and falsificationism.
4. Discuss the demarcation criterion proposed by Karl Popper.
5. Examine Newton's views on space and time.
6. Briefly explain the uncertainty principle in quantum mechanics.
7. Expound Kuhn's view of Paradigm Shift. (3×10=30)

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PART – C

Answer **any three** questions. Answers should **not** exceed **200** words. **Each** answer carries **5** marks.

8. Give a brief account of M. N. Roy's humanism in the light of modern science.
9. Briefly explain the purposes of natural selection.
10. Analyse the 'epistemological anarchism' set out by Feyerabend.
11. Write a short note on Bacon's inductive method.
12. Examine the deductive-nomological model (DN model) of scientific explanation. (3×5=15)