K16P 0976

**Third Semester M.A./M.Sc./M.Com. Degree (Reg./Suppl./Imp.)
Examination, November 2016
PHILOSOPHY
PHI 3C12 : Philosophy of Science
(2014 Admission Onwards)**

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 different models of explanation that are available within science ? Explain Hempel's model of scientific explanation.

2. Bring out the salient aspects of feminist philosophy of science.   **(1×15=15)**

PART – B

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

3. Define science and bring out the relation between philosophy and science.

4. Discuss the Baconian model of scientific method.

5. Examine Newton's understanding of space and time.

6. Write a note on the ontological and epistemological questions in Quantum Mechanics.

7. Distinguish between pre-science and normal science.   **(3×10=30)**

P.T.O.

PART – C

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

8. Expound the Duhem-Quine thesis.

9. Distinguish between Verificationism and Falsificationism.

10. Explain the concept of verisimilitude.

11. Write a note on humanism in the light of modern science with special reference to M.N. Roy.

12. Examine Karl Popper's views on scientific progress.   **(3×5=15)**

_____