K20P 1071

Reg. No. : ....

Name : ....

III Semester M.A. Degree (CBSS – Reg./Suppl./Imp.)
Examination, October 2020
(2014 Admission Onwards)
PHILOSOPHY
PHI3 C12 : Philosophy of Science

Time : 3 Hours   Max. Marks : 60

PART – A

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

1. Define scientific explanation and discuss Hempel's deductive nomological model of scientific explanation.

2. Give an exposition of Einstein's relativity theory of space and time.   (1×15=15)

PART – B

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

3. Bring out the relation between Philosophy and Science.

4. Examine the logical positivist's method in Science.

5. Distinguish between science and non-science following Karl Popper.

6. Elucidate Stephen Hawking's 'towards a theory of everything'.

7. Expound Paul Feyerabend's notion of epistemological anarchy.   (3×10=30)

PART – C

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

8. Elucidate Duhem-Quine thesis.

9. Distinguish between verificationism and Falsificationism.

10. Expound the concept of verisimilitude.

11. Bring out the epistemological questions in Quantum Mechanics.

12. Give a brief account of Thomas Kuhn's approach to Science.

(3×5=15)

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