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MPYE-009

M. A. PHILOSOPHY (MAPY)

Term-End Examination

June, 2022

**MPYE-009 : PHILOSOPHY OF SCIENCE AND
COSMOLOGY**

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Answer all the **five** questions.*

(ii) *All questions carry equal marks.*

(iii) *Answers to Question No. 1 and 2 should
be in about **500** words each.*

1. What do you understand by the mechanical universe ? Elaborate the contributions of Newton and Descartes towards this understanding. 20

Or

What is historical realism ? How is it different from historicism ? Give your critical appreciation of historical realism. 20

P. T. O.

2. Give a general understanding of the theories of relativity. How does it affect our understanding of universe ? 20

Or

Give you general understanding of the relationship between science and religion. 20

3. Answer any **two** of the following in about **250** words each : 10×2=20

- (a) What does contemporary science say about the end of universe ?
- (b) What is historical realism ? Provide a critical appraisal of historical realism.
- (c) What is Feyerabend's contribution to philosophy of science ?
- (d) Explain the significance of verification theory.

4. Answer any **four** of the following questions in about **150** words each : 5 each

- (a) What is the puranic view of cosmos ?
- (b) Describe Larry Laudan's understanding of science.

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- (c) What is the significance of quantum tunneling ?
 - (d) Give a brief account of Big Bang Theory.
 - (e) How is historical realism different from historicism ?
 - (f) Explain the uncertainty principle.
5. Write short notes on any *five* of the following in about **100** words : 4 each
- (a) Hubble's Law
 - (b) Inflationary Theory
 - (c) Schrödinger's Cat
 - (d) Steady State Theory
 - (e) Research Tradition
 - (f) Teleological Explanation
 - (g) Feminist accounts of Science
 - (h) Johannes Kepler

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