

M. A. (PHILOSOPHY)
(MAPY)
Term-End Examination
June, 2026

MPYE-009 : PHILOSOPHY OF SCIENCE
AND COSMOLOGY

Time : 3 Hours

Maximum Marks : 100

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

(ii) *All questions carry equal marks.*

(iii) *Answers to question nos. 1 and 2
should be written in about **500** words
each.*

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1. What is the difference between science and philosophy of science ? Why is philosophy of science regarded as a second-order activity ? Explain. 20

Or

Discuss the mechanistic view of the universe. Who were its main proponents ?
What was its philosophical significance ? 20

2. What is cosmology ? How is it related to cosmogony and science ? 20

Or

Write an essay on the contributions made by Galileo and Kepler to cosmology. 20

3. Answer any *two* of the following in about **250** words each :

(a) Discuss the common concepts of Philosophy of Science and Epistemology. 10

(b) What is a Scientific Method ? Elaborate. 10

(c) What is logical positivism ? What are the arguments given by Logical Positivists for the elimination of Metaphysics ? 10

- (d) Explain the philosophical significance of Einstein's theory of relativity. 10
4. Answer any *four* of the following in about **200** words each :
- (a) Briefly discuss the significance of Hubble's Law. 5
- (b) Write a note on the feminist account of science. 5
- (c) Discuss Hanson's idea of theory ladenness of observation. 5
- (d) Draw a distinction between Classical Mechanics and Quantum Mechanics. 5
- (e) Explain Kuhn's conception of Paradigm shift. 5
- (f) Explain the Puranic view of the universe. 5
5. Write short notes on any *five* of the following in about **100** words each :
- (a) Incommensurability 4

(b) Dark Matter	4
(c) Induction	4
(d) Space-time curve	4
(e) Horizon problem	4
(f) Principle of uncertainty	4
(g) Big Bang	4
(h) Cosmological constant	4

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