

No. of Printed Pages : 3

MPYE-009

M. A. IN PHILOSOPHY

(MAPY)

Term-End Examination

December, 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.*

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1. Why do we say that Science is subversive ?
Discuss. 20

Or

Describe Indian cosmology and Puranic view of
the world.

P. T. O.

2. What is dark matter and dark energy ? Give their philosophical significance. 20

Or

Describe the Big Bang Model of the origin and nature of the universe.

3. Answer any *two* of the following questions in about **250** words each : 10 each

(a) How do you respond to the question : ‘What happened before the Big Bang ?’

(b) “Observation cannot be separated from interpretation.” Discuss.

(c) What is logical positivism ? How do you criticize their position ?

(d) Is the universe expanding ? How do you prove it ?

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

(a) Describe *one* important discovery of Johannes Kepler.

(b) What is deductive explanation ?

[3]

- (c) What is the primary function of philosophy, with special reference to science ?
 - (d) How would you describe aesthetics ?
 - (e) Give a brief description of General Theory of Relativity.
 - (f) What is the 'logic of discovery' of Hanson ? Do you agree with it ? Explain.
5. Write short notes on any *five* of the following in about **100** words each : 4 each
- (a) *Incommensurability*
 - (b) Hubble's Law
 - (c) *Sraddha (Faith)*
 - (d) Teleological Explanation
 - (e) Lakotos
 - (f) Feyerabend
 - (g) Galileo Galilei
 - (h) Metaphysics

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