

00131

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2014**

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

*Time : 3 hours*

*Maximum Marks : 100*

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- Note :**
- (i) *Answer all the five questions.*
  - (ii) *All questions carry equal marks.*
  - (iii) *Answers to questions no. 1 and 2 should be about 500 words each.*
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1. Examine the contributions of Indians and Arabs to Ancient cosmology. **20**  
**OR**  
Explain Perception, Thought and Language. Examine their correlation. **20**
2. Discuss the key philosophical concepts which are integral to the theory of relativity. **20**  
**OR**  
Explain Uncertainty Principle and discuss its philosophical implications. **20**
3. Answer **any two** of the following in about **250** words each :
  - (a) Briefly explain and contrast Popperian and Kuhnian analysis of science. **10**
  - (b) Examine the role played by the criterion of meaning according to Logical Positivists in the attempt to eliminate metaphysics. **10**

- (c) Discuss the Feminist accounts of Science. 10
- (d) Write notes on the theories of 'Multiverse' and 'Big Crunch'. 10
4. Answer **any four** of the following in about 150 words each :
- (a) Distinguish between science and philosophy of science. 5
- (b) What do you understand by the infinity of Space and Time ? 5
- (c) Do 'Unobservables' enjoy 'Scientific status' ? 5
- (d) Briefly explain Heisenberg's uncertainty principle. 5
- (e) What do you understand by the value-neutrality of science ? 5
- (f) What are the basic claims of Scientific Antirealism ? 5
5. Write short notes on **any five** of the following in about 100 words each :
- (a) Cause-effect 4
- (b) Dark Matter 4
- (c) Cosmogony and Eschatology 4
- (d) Research Tradition 4
- (e) Wave-Particle 4
- (f) Heat Death 4
- (g) Island Universe 4
- (h) Taoist perspective of Truth 4
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