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M.A. PHILOSOPHY (MAPY)

Term-End Examination December, 2012

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.
- Define philosophy of Science. Write an essay on the relation between metaphysics and philosophy of science.

OR

Write an essay on quantum mechanics, 20 differentiating it from classical physics. Explain the practical value of quantum mechanics.

2. Is the universe infinite or finite? Give a detailed overview of the expanding Universe.

OR

Explain and differentiate scientific and religious outlooks regarding ultimate truth. Does scientific perspective of truth differ from religious perspective of truth? Explain.

Relativity in detail. (b) Explain various methodological problems in social science.		wer any two of the following in about words each:	
social science. (c) Discuss the three broad areas of inquiry of philosophy of science. (d) Define historicism. Explain briefly historicist's challenges to logical positivism. Answer any four of the following in about 150 words each: (a) Give an account of the puranic view of the universe.	(a)		
philosophy of science. (d) Define historicism. Explain briefly historicist's challenges to logical positivism. Answer any four of the following in about 150 words each: (a) Give an account of the puranic view of the universe.	(b)	-	
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	150	words each: Give an account of the puranic view of the	
	150	words each :	
	(b)		
	(c)		
(c) Make clear the notion of heat death.	(d)	Make clear the notion of heat death.	
(d) Explain verification theory.	(e)	Explain verification theory. Provide a simple definition of uncertainity	

5. Write short notes on **any five** of the following in about **100 words** each :

(a)	Brahmanda or "cosmic egg".	4
(b)	Generalization	4
(c)	Hypotheses	4
(d)	Relativity of simultaneity	4
(e)	Quantum	4
(f)	Big crunch	4
(g)	Momentum	4
(h)	False vaccum	4