## M.A. PHILOSOPHY (MAPY)

## Term-End Examination December, 2013

## MPYE-009 : PHILOSOPHY OF SCIENCE AND COSMOLOGY

Time: 3 hours		Maximum Marks: 100			
Note	(ii)	Answer all questions. All questions carry equal marks. Answers to questions No.1 and 2 should about 500 words each.	d be in		
1.	Elaborate the relationship between philosophy of science and metaphysics.				
	_	OR  The main principles of the theory of and give some of its philosophical ons.			
2.	Write an e	essay on the Indian Cosmology.	20		
		philosophical significance of the guniverse.	e <b>2</b> 0		

3.		Answer any two of the following in about 250 words each:			
	(a)	Explain briefly on the Arab contribution to science.	10		
	(b)	What is dark matter and dark energy? Explain.	10		
	(c)	Explain how science and values are related.	10		
	(d)	Write a note on the cause-effect relationship.	10		
4.		Answer any four of the following in about 150 words each:			
	(a)	Explain the problem of inductive reasoning.	5		
	(b)	Is Quantum Mechanics practical?	5		
	(c)	Describe the Big-Bang theory.	5		
	(d)	What do you understand by the uncertainty principle ?	5		
	(e)	What is the relation between faith and reason?	5		
	(f)	Describe some of the important discoveries of Shapley.	5		
5.		Write short notes on <b>any five</b> of the following in about <b>100 words</b> each :			
	(a)	Heat Death	4		
	(b)	Hubble Constant	4		
	(c)	Falsification	4		
	(d)	Naturalism	4		
	(e)	Space-time Curve	4		
	(f)	Incommensurability	4		
	(g)	Probabilistic Explanation	4		
	(h)	Theory laden-ness of observation.	4		