



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A. DEGREE EXAMINATION – PHILOSOPHY

THIRD SEMESTER – APRIL 2017

PL 3809 – PHILOSOPHY OF SCIENCE

Date: 28-03-2017
09:00-12:00

Dept. No.

Max. : 100 Marks

Part-A

Answer the following

(6 x 6=36 Marks)

1. Define 'determinism' and 'indeterminism'.
2. State the meaning of 'hypothesis' and 'theory.'
3. Explain the relation between Philosophy of Science and Cosmology.
4. What is Hylemorphism? Explain.
5. Describe 'context of discovery,' and 'context of justification,'
6. What is 'change' and 'motion'? How is it related to 'Time?'

Part B

Answer the following

(4 x 16 = 64 Marks)

7. A. Critically examine how Philosophy of Science explains the physical world by its various theories and postulations regarding its origin, nature and destiny.

OR

B. Compare and contrast Religious explanations with scientific theories of the world. Can Religion and Science go together?

8. A. Elaborate the characteristics of the universe regarding its immensity, complexity and finiteness in the light of scientific theories and philosophical reflections.

OR

B. What are the philosophical implications of scientific procedure in understanding and explaining the physical phenomena with scientific explanation and predictability?

9. A. Critically evaluate different approaches to science by Positivists, Realists in the light of Thomas Khun's historical approach.

OR

B. Describe the scientific method of Induction, its problem and possible solutions.

10. A. Have Quantum Mechanics and Theories of Relativity changed our understanding about the cosmos? Explain.

OR

B. Differentiate between Philosophical, Newtonian and Einsteinian understanding of Space and Time.
