



Date: 10-04-2018

Dept. No.

Max. : 100 Marks

Time: 09:30-12:30

Part-A

Answer the following (6 x 6 = 36)

1. Discuss Popper's view on the demarcation between science and non-science.
2. What is the relation between Philosophy of Science and Cosmology?
3. State the meaning of 'paradigm shift,' in the history of science?
4. State and explain the uncertainty principle.
5. Describe 'context of discovery,' and 'context of justification,'
6. Enumerate the Relativity Theories of Einstein.

PART-B

Answer the following (4 x 16 = 64 marks)

7. A. State and explain the main types of explanations.

OR

B. Explain the problem of Induction and critically assess various attempts of resolving it.

8. A. Explain Lemaitre's theory of the origin of the universe and bring out its strength and weaknesses.

OR

B. Explain the steady state theory and critically examine it

9. A. Analyze the notion of 'value-neutrality' for science in the light of social/moral responsibility of scientists and reflect about the role of religion in scientific activities.

OR

B. How does Thomas Khun refute claims of logical positivists' about scientific activities?

10. A. What are the suggested scenarios of the ultimate fate of the universe?

OR

B. How does contemporary cosmology contribute to the nontemporal version of the cosmological argument for the existence of God?
