

# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 600 034

### M.A. DEGREE EXAMINATION - PHILOSOPHY

# THIRD SEMESTER - NOVEMBER 2022 PPL 3503 - PHILOSOPHY OF SCIENCE (ARREAR)

Date: 30-12-2022 Dept. No. Max. : 100 Marks

Time: 09:30 AM - 12:30 PM

## **PART-A**

## Write short notes on the following:

(6X6=36 Marks)

- 1. The logical positivists approach philosophy of science.
- 2. Teleological explanation as a genuine explanation.
- 3. Scientific Explanation and its advantages.
- 4. The steady state theory.
- 5. The 'Big Rip' theory of the universe.
- 6. Distinction between science and non-science according to Popper.

#### **PART-B**

# **Answer the following questions**

(4X16=64 Marks)

7A. What are the views of Thomas Kuhn on the nature of science? Discuss.

OR

- 7B. Examine the Big Bang Cosmogony.
- 8A. Discuss with examples the various types of explanations.

OR

- 8B. Describe the General theory of Relativity and its implications.
- 9A. Explain the Special Theory of Relativity and its implications.

OK

- 9B. What are the chief characteristics of empirical sciences? Elaborate.
- 10A. What are the suggested scenarios of the ultimate fate of the universe? Discuss.

OR

10B. How is science distinguished from non-science? Is the demarcation criterion proposed by Popper sound?

&&&&&&&&&&&