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MPYE-013

M. A. (PHILOSOPHY) (MAPY)

Term-End Examination

December, 2021

MPYE-013 : PHILOSOPHY OF TECHNOLOGY

Time : 3 Hours

Maximum Marks : 100

*Note : Answer all the **five** questions. All questions carry equal marks. Answer to Question Nos. 1 and 2 should be in about **500** words each.*

1. Bring out the philosophical significance of the theory of Chaos and its applicability to science.

20

Or

Elucidate the features which differentiate science and technology and show how ethics and technology are interwoven.

2. Discuss the salient features of artificial intelligence. 20

Or

Is physical immortality a mere dream ? Justify your answer.

3. Answer any **two** of the following questions in about **250** words each : 10 each

(a) Distinguish between Euclidean geometry and fractal geometry.

(b) Trace the evolution of genetics.

(c) How is neurology related to consciousness ? Describe.

(d) Is technological extension of physical life tantamount to actual extension of life ? Discuss.

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4. Answer any *four* of the following questions in about *150* words each : 5 each

(a) What is so new of nanotechnology ? Explain.

(b) Briefly explain the significance of bionics.

(c) Explain, how stem cells are differentiated.

(d) Explain, how progress in genetics has contributed to the formation of ELSI issues.

(e) Distinguish between vision and dream.

(f) Bring out the significance of 'Being-toward-death'.

5. Write short notes on any *five* of the following in about *100* words each : 4 each

(a) Chaos in Antiquity

(b) Green Technology

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(c) On cloning

(d) Genetic discrimination

(e) Computer and problem solving

(f) Brain death

(g) Cyborg

(h) John Leslie's 'The End of the World'

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