

M.A. PHILOSOPHY (MAPY)

Term-End Examination

June, 2021

MPYE-013 : PHILOSOPHY OF TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

Note :

- (i) *Answer all the **five** questions.*
 - (ii) *All questions carry equal marks.*
 - (iii) *Answers to questions no. 1 and 2 should be in about 500 words each.*
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1. Bring out the essence of fractal geometry. 20

OR

Examine the role of stem cells in the context of current research in biology. 20

2. Does a machine think at par with the human brain ? Substantiate your answer. 20

OR

Does evil imply immortality ? Discuss. 20

3. Answer any **two** of the following in about 250 words each :
- (a) Give a brief description of the applications of fractals. 10
 - (b) Briefly explain advantages and disadvantages of human genetic engineering. 10
 - (c) How do you understand machine vision ? 10
 - (d) Is death an evil ? Discuss. 10
4. Answer any **four** of the following in about 150 words each :
- (a) Contrast Mandelbrot set and Julia set. 5
 - (b) Explain any two applications of Nano-technology. 5
 - (c) Give a brief description of DNA. 5
 - (d) Examine philosophical implications of genetics. 5
 - (e) How can we extend the laws of thought to Artificial Intelligence ? 5
 - (f) Examine Nagel's views on death. 5

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

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|------------------------------|---|
| (a) Ageing and Mitochondria | 4 |
| (b) Man-made disaster | 4 |
| (c) The Cantor Set | 4 |
| (d) Prosthesis | 4 |
| (e) Deoxyribonucleic acid | 4 |
| (f) Bioinformatics | 4 |
| (g) Properties of stem cells | 4 |
| (h) Brain death | 4 |
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