

M.A. PHILOSOPHY (MAPY)

Term-End Examination

01130

December, 2014

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. Trace the development of Geometry from Euclid to Mandelbrot. How does it picture the Universe ? 20

OR

Bring out the various social and legal issues underlining Human Genome Project. 20

2. Explain the different aspects of Artificial Intelligence. Compare and contrast artificial intelligence with human intelligence. 20

OR

Is religion a neurological phenomenon ? Discuss the religious experience in the light of Neurotheology. 20

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

- (a) Consider briefly the practical applications and significance of fractals. 10
- (b) How are technology and science related ? 10
- (c) Write a critical note on the democratization of technology. 10
- (d) What is the meaning of mind uploading ? Explain it as a possible method of physical immortality. 10

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

- (a) Contrast Newtonian determinism with Quantum indeterminism. 5
- (b) How is Nano-technology useful for alleviating environmental problems ? 5
- (c) What is the functionalist account of Mind ? 5
- (d) What is Heidegger's view on death ? 5
- (e) Do machines think ? Write your opinion. 5
- (f) Does human extension lead to cosmic extinction ? 5

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

- (a) Determinism in Chaos 4
 - (b) Nature and Culture 4
 - (c) Technological Singularity 4
 - (d) Genetic Discrimination 4
 - (e) Turing Test 4
 - (f) Neuroculture 4
 - (g) Cybernetic Organism 4
 - (h) Epicurean concept of Death 4
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