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M.A. PHILOSOPHY (MAPY)

Term-End Examination, 2019

MPYE-013 : PHILOSOPHY OF TECHNOLOGY

Time : 3 Hours]   [Maximum Marks : 100

Note : Answer **all five** questions. **All** questions carry **equal** marks. Answers to question **nos. 1** and **2** should be in about **500 words** each.

1. Correlate fractal geometry and the theory of roughness.

[20]

OR

Trace the evolution of human genome project.   [20]

2. Examine the nature of cognition in machines.   [20]

OR

What are the philosophical issues surrounding death ? Discuss.   [20]

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

   (a) Explain the nature of Nano technology in detail.

                                [10]

   (b) How does neutrality theory establish ethical aspects of technology ? Explain. [10]

   (c) How does computer language differ from natural language ? [10]

   (d) Is physical immortality a myth ? Discuss. [10]

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

   (a) Is chaos scientifically relevant ? [5]

   (b) Briefly discuss political elements involved in technology. [5]

   (c) What is the role played by DNA in Genetics ?

                                [5]

   (d) Mention the features of adult cell. [5]

   (e) What do you mean by Machine Vision ? [5]

   (f) Is death an evil ? [5]

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

    (a)   The Sierpinski triangle   [4]

    (b)   Cultural transmission   [4]

    (c)   Properties of stem cell   [4]

    (d)   Bioinformatics   [4]

    (e)   Learning by machine   [4]

    (f)   Crick's theory   [4]

    (g)   Cloning   [4]

    (h)   Heidegger on death   [4]

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