

No. of Printed Pages : 3

**MPYE-013**

**M.A. PHILOSOPHY**

**Term-End Examination**

**June, 2012**

**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 question No. 1 and 2 should be in about 500 words each.*

1. What is nano technology ? Explain its nature and scope and discuss various social and ethical concerns of nano technology. 20

**OR**

What do you understand by artificial intelligence [AI] ? Discuss how the knowledge of the nature of cognition process is an essential element for understanding the nature of artificial intelligence ? 20

2. Discuss the notion of [human] death. Elaborate Thomas Nagel's view on death in detail. 20

**OR**

Define human genome project. Delineate its advantages. Discuss elaborately the larger philosophical issues connected with human genome project. 20

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

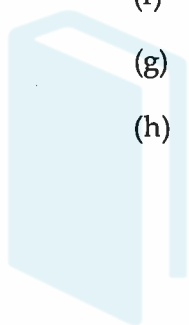
- (a) Make a scientific analysis of the Chaos theory. Explain briefly the significance of Chaos theory to philosophy. 10
- (b) Define fractals. Explain practical applications of fractals. 10
- (c) What do you know about stem cell research ? Discuss various sources of stem cell. 10
- (d) Explain the limbic system hyper-activation theory of religious experience. 10

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

- (a) Explain the concept of mind uploading. 5
- (b) What is cultural transmission ? 5
- (c) Briefly discuss the three symbols of evil. 5
- (d) Briefly explain Neurotheology. 5
- (e) What is your understanding of Qualia ? 5
- (f) Briefly explain brain death and the loss of personhood. 5

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

- |     |                              |   |
|-----|------------------------------|---|
| (a) | Technological determinism    | 4 |
| (b) | Bio informatics              | 4 |
| (c) | Genetic discrimination       | 4 |
| (d) | Quantum indeterminism        | 4 |
| (e) | Functionalism                | 4 |
| (f) | Dasein                       | 4 |
| (g) | Computational theory of mind | 4 |
| (h) | Neuro culture                | 4 |



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No. of Printed Pages : 3

MPYE-013

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**December, 2012**

**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 Question No. 1 and 2 should be in about 500 words each other.*

1. What is nano technology ? Explain its applications in different fields and discuss various social and ethical concerns of nano technology. 20

**OR**

Explained the evolutions and development of the human brain. Can neuroscience possibly solve the puzzle of consciousness ? 20

2. Give an overview of artificial intelligence. Relate and analyze artificial intelligence and the functionalist theory of mind. 20

**OR**

Define human genome project. Discuss its future prospects. Examine various ethical and legal issues involved in the project. 20

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

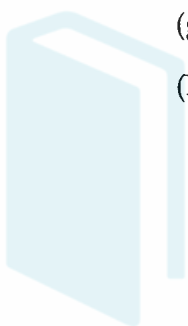
- (a) Differentiate between newtonian determinism and Quantum indeterminism. 10
- (b) Explain the meaning and significance of neurotheology. 10
- (c) Discuss the relationship between technology and science. 10
- (d) What is immortality project ? How is participating in the immortality project something wrong ? 10

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

- (a) What is the relevance of Chaos theory in the contemporary world. 5
- (b) Explain DNA 5
- (c) How is culture and nature related ? 5
- (d) Describe Genetic Discrimination. 5
- (e) Explain significance of Fractals. 5
- (f) What do you understand by ELSI ? 5

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

- |                                     |   |
|-------------------------------------|---|
| (a) Singularity                     | 4 |
| (b) Philosophy of technology        | 4 |
| (c) Genetics                        | 4 |
| (d) Physical Immortality            | 4 |
| (e) Stem cells.                     | 4 |
| (f) Mystical Experience.            | 4 |
| (g) Cosmic extinction.              | 4 |
| (h) Commodification of human beings | 4 |



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No. of Printed Pages : 3

MPYE-013

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2013**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Answer all five questions.*

(ii) *All questions carry equal marks.*

(iii) *Answers to question No. 1 and 2 should be in about 500 words each.*

- 
1. What is chaos theory ? Discuss its significance for philosophy. 20

**OR**

What are the ethical issues involved in the Human Genome Project ? Explain. 20

2. Write an essay on Neurotheology and Religious Experience. 20

**OR**

Reflect on the technologisation of human nature. 20

3. Answer *any two* of the following in about 250 words each :
- (a) Explain the ELSI (Ethical, Legal and Social Issues) research goals of Human Genome Project. 10
  - (b) What are the ethical implications of nanotechnology ? Explain. 10
  - (c) Relate Nature, Nurture and Culture. 10
  - (d) Explain the relationship between science and technology. 10
4. Answer *any four* of the following in about 150 words each :
- (a) What is the "Absolute Unitary Being" ? 5
  - (b) Describe Artificial Intelligence(AI). 5
  - (c) Explain Technological Determinism. 5
  - (d) How did EEG help in the progress of neurotheology ? 5
  - (e) Discuss the social implications of Nano Technology. 5
  - (f) What do you understand by the loss of Personhood ? 5



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

- |                                      |   |
|--------------------------------------|---|
| (a) DNA                              | 4 |
| (b) Enframing                        | 4 |
| (c) Rational agent approach          | 4 |
| (d) Democratization of Technology    | 4 |
| (e) Genetic Discrimination           | 4 |
| (f) Epicurean understanding of Death | 4 |
| (g) Dasein                           | 4 |
| (h) Species Extension                | 4 |



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No. of Printed Pages : 2

MPYE-013

## M.A. PHILOSOPHY (MAPY)

### Term-End Examination

December, 2013

### MPYE-013 : PHILOSOPHY OF TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

- Note :**
- (i) Answer all five questions.
  - (ii) All questions carry equal marks.
  - (iii) Answers to question No. 1 and 2 should be in about 500 words each.

1. Discuss the philosophical and social issues involved in Human Genetic Engineering. 20

OR

- What are Fractals? Explain the practical applications and significance of fractals. 20

2. What is Physical immortality ? Reflect on the scientific basis of physical immortality. 20

OR

- Explain the philosophy of Chaos theory. What is the relevance of Chaos theory in the contemporary world ? 20

3. Answer **any two** of the following in about **250** words each.
- (a) What is Heidegger's understanding of death ? Explain. **10**
  - (b) What is cosmic extinction ? Explain various conscious reasons for cosmic extinction. **10**
  - (c) Relate Nature, Nurture and Culture. **10**
  - (d) What is technological singularity ? Discuss its significance. **10**
4. Answer **any four** of the following in about **150** words each.
- (a) What is neurotheology ? **5**
  - (b) Discuss the ethical implications of Nano-Technology. **5**
  - (c) What is Ernest Becker's insight on evil ? **5**
  - (d) What is immortality project ? **5**
  - (e) "Death is part of life" - Comment. **5**
  - (f) What is Thomas Nagel's understanding of death ? **5**
5. Write short notes on **any five** of the following in about **100** words each.
- (a) Stem Cell **4**
  - (b) Neutrality Thesis **4**
  - (c) Wholly other **4**
  - (d) Qualia **4**
  - (e) Dasein **4**
  - (f) Techne **4**
  - (g) Bioinformatics **4**
  - (h) Hyper-real **4**

No. of Printed Pages : 2

MPYE-013

00951

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2014**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

- 
- Note :** (i) *Answer all five questions.*  
(ii) *All questions carry equal marks.*  
(iii) *Answers to question No. 1 and 2 should be in about 500 words each.*
- 

1. Give a critical exposition of the philosophy and relevance of Chaos theory. 20

**OR**

- What is genome project ? Analyse the legal and ethical issues involved in it. 20

2. What is Artificial Intelligence ? Explain its possible categories from the human and rational perspectives. 20

**OR**

- What do you understand by physical immortality ? Discuss the various possible scientific bases for the claim. 20

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

- (a) Discuss the various ethical and social impacts of technology. 10

- (b) Is technology amoral ? Discuss. 10
- (c) Explain the concept of 'Death' in Martin Heidegger's thought. 10
- (d) Bring out the multidisciplinary significance of nanotechnology. 10
4. Answer **any four** of the following in about **150 words** each :
- (a) What are the unique properties of the stem cells ? 5
- (b) Distinguish between culture and nurture. 5
- (c) Briefly explain the uses of Human Genome Project in Medical field. 5
- (d) Briefly explain Herbert Simon's equation of the functions of brain and computer. 5
- (e) What do you understand by the loss of personhood ? 5
- (f) How does evil manifest ? 5
5. Write short notes on **any five** of the following in about **100 words** each :
- (a) The neurobiology of mystical experience 4
- (b) Singularity 4
- (c) Cloning 4
- (d) Newtonian Determinism 4
- (e) Physical symbol system hypothesis 4
- (f) Qualia 4
- (g) Neuro-culture 4
- (h) Cosmic Death 4
-

No. of Printed Pages : 3

**MPYE-013**

**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.

- 
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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00815

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2015**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) Answer *all* questions.

(ii) All questions carry *equal* marks.

(iii) Answers to question no. 1 and 2 should be in about **500 words each.**

1. Can death be eliminated using advanced technologies? Give your philosophical reflections. **20**

**OR**

How can Artificial Intelligence (AI) help us understand human consciousness ? **20**

2. Give the basic ideas and philosophical consequences of nano - technology. **20**

**OR**

Can Human Genome Project help us to manipulate life ? Give your philosophical response. **20**

3. Answer **any two** questions in about **250** words each :

(a) Write on the property and potency of stem cells. **10**

- (b) Reflect on the democratization of technology. 10
- (c) What is neurotheology ? Explain. 10
- (d) Write a detailed note on mind uploading. 10

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

- (a) Describe one method for achieving physical immortality. 5
- (b) What is the functionalist theory of the mind ? 5
- (c) Show the relationship between cyborg and fyborg. 5
- (d) Write a note on genetic discrimination. 5
- (e) What is bioinformatics ? 5
- (f) Describe some functions of the Frontal Lobe of the brain. 5

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

- (a) Absolute Unitary Being 4
  - (b) Epicurean concept of Death 4
  - (c) GMO 4
  - (d) Germline 4
  - (e) Doomsday arguments 4
  - (f) Trans humanism 4
  - (g) Fractals 4
  - (h) Bionics 4
-

No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**December, 2015**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Answer all five questions.*

(ii) *All questions carry equal marks.*

(iii) *Answers to question no. 1 and 2 should be in about 500 words each.*

1. In the light of Chaos theory explain the nature of nature. 20

**OR**

Give the significance of symbolism in explaining evil and mortality. 20

2. Describe the history and significance of Genetics. 20

**OR**

Explain Artificial Intelligence and its significance for philosophy. 20

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

(a) Discuss different areas of applications of nanotechnology. 10

(b) What is Human Genome Project ? Explain its purpose. 10

- (c) What is collective species transformation ? 10  
Explain.
- (d) Describe the nature of cognition in 10  
machines.
4. Answer **any four** of the following in about  
150 words each.
- (a) What is cryonics ? 5
- (b) What is machine learning ? 5
- (c) Describe Authentic attitude to death. 5
- (d) What are some of the conscious reasons for 5  
human annihilation ?
- (e) What do you understand by Neurotheology ? 5
- (f) What are some research goals of ELSI ? 5
5. Write short notes on **any five** of the following in 20  
about 100 words each :
- (a) commodification
- (b) Techne
- (c) Fractal dimension
- (d) Green technology
- (e) Immortality project
- (f) Dasein
- (g) MRI
- (h) Absolute Unitary Being
-

No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2016**

**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.*

1. Analyse the limits of Euclidean Geometry. 20

**OR**

Critically examine various philosophical issues concerning genetic engineering. 20

2. 'Artificial intelligence ceases to be artificial if it succeeds in making computers think.' Comment on this statement. 20

**OR**

Give a critical exposition of Heidegger's theory of death. 20

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

- (a) Does Chaos describe quantum theory ? 10  
Justify your opinion.

- (b) Assess the implications of technology on ethical grounds. 10
- (c) Compare and contrast human perception and computer perception. 10
- (d) Write a note on man-made disaster. 10

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

- (a) Explain the uses of nano technology in medical fields. 5
- (b) Describe nature-culture dualism. 5
- (c) What are the advantages of human genome project ? Describe briefly. 5
- (d) What is the nature of machine learning ? 5
- (e) Explain briefly the functions of the brain. 5
- (f) Is death an evil ? Comment. 5

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

- (a) Linearity and nonlinearity 4
- (b) Applications of fractals 4
- (c) Adult stem cells 4
- (d) Genetic discrimination 4
- (e) Turing machine 4
- (f) Brain death 4
- (g) Cloning 4
- (h) Dasein 4

No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**December, 2016**

**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.*

- 
1. Bring out the philosophical implications of the theory of Chaos. 20

**OR**

Discuss various ethical issues surrounding Human Genome Project. 20

- 
2. Examine the theory of functionalism against the background of artificial intelligence. 20

**OR**

Is human immortality a myth ? Discuss. 20

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

(a) Evaluate the sociological aspects of nanotechnology. 10

(b) Examine the relevance of technological determinism against the background of social reconstruction. 10

- (c) Can we correlate the functions of the brain with its structure ? Explain. 10
- (d) What does 'Mind uploading' mean ? Explain. 10
4. Answer **any four** of the following in about **150 words** each :
- (a) Contrast Newtonian determinism with quantum indeterminism. 5
- (b) What do you know about induced pluripotent stem cells ? 5
- (c) Does genetic engineering, ultimately, destroy natural order ? 5
- (d) Describe brain death. 5
- (e) Is consciousness merely a neurological phenomenon ? 5
- (f) Describe the symbols of evil. 5
5. Write short notes on **any five** of the following in about **100 words** each :
- (a) Control of Chaos 4
- (b) Hyper reality 4
- (c) Properties of stem cells 4
- (d) Germ-line gene therapy 4
- (e) Crick's theory of cognition 4
- (f) Dream 4
- (g) Death - an evil 4
- (h) Non-human disaster 4
-



No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2017**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Answer all the questions.*

(ii) *All questions carry equal marks.*

(iii) *Answers to question no. 1 and 2 should be in about 500 words each.*

1. Critically evaluate the view that evil emerges from our denial of mortality. 20

**OR**

What are the future prospects of Genetics ? Discuss. 20

2. How do you relate neurology to consciousness ? Explain. 20

**OR**

Describe the significance of Immortality project, according to Earnest Becker. 20

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

- (a) Elaborate on the understanding of death according to the Epicurians. 10
- (b) What is Artificial Intelligence ? How is it important to philosophy ? 10

- (c) Discuss the potency and properties of stem cells. 10
- (d) What are the applications of nanoscience ? Discuss. 10
4. Answer any four of the following in about 150 words each :
- (a) What are fractal dimensions ? 5
- (b) Describe the significance of singularity. 5
- (c) Briefly discuss the research goals of ELSI. 5
- (d) What is "techné" ? 5
- (e) How do you understand machine learning ? 5
- (f) What are some of the major functions of the brain ? 5
5. Write short notes on any five of the following in about 100 words each :
- (a) Frontal cortex 4
- (b) Hubris 4
- (c) Dasein 4
- (d) Hypothalamus 4
- (e) Bioinformatics 4
- (f) Benoit B. Mandel brot 4
- (g) Bionics 4
- (h) Butterfly Effect 4
-

No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**December, 2017**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

- Note :** (i) Answer *all five* questions.  
(ii) All questions carry *equal* marks.  
(iii) Answers to question no. 1 and 2 should be in about **500 words each.**

1. Explain the theory of chaos and discuss its philosophical implications. 20

**OR**

What is the significance of Human Genome project for philosophy ? Explain. 20

2. Discuss the philosophical issues involved in Artificial Intelligence(AI). 20

**OR**

Elaborate critically the position that evil emerges from our denial of mortality. 20

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

- (a) What do you understand by collective species transformation ? Explain. 10  
(b) Describe the nature of cognition in machines. 10

- (c) What are the ELSI research goals ? Explain. 10
- (d) Elaborate on the democratization of technology. 10
4. Answer **any four** of the following in about 150 words each.
- (a) Describe some social implications of nano technology. 5
- (b) Mention the difference between real, imaginary and hyper real. 5
- (c) What is the significance of stem cells ? 5
- (d) What is the distinction between meaning and significance ? 5
- (e) Is death an evil ? 5
- (f) What is a symbol ? What are the three symbols Ricoeur deals with ? 5
5. Write short notes on **any five** of the following in about 100 words each.
- (a) Cyborg 4
- (b) SPECT 4
- (c) Qualia 4
- (d) Gemline 4
- (e) Commodification 4
- (f) Fractals 4
- (g) Gerontology 4
- (h) Butterfly effect 4
-

No. of Printed Pages : 2

**MPYE-013**

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**June, 2018**

**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 question no. 1 and 2 should be in about 500 words each.*

- 
- |     |   |    |
|-----|---|----|
| 1.  | Examine the philosophical and scientific background of chaos.                     | 20 |
|     | <b>OR</b>   |    |
|     | Trace the evolution of genetics.  | 20 |
| 2.  | Comment on the nature of cognition in machines.                                   | 20 |
|     | <b>OR</b>   |    |
|     | Contrast the views of Heidegger and Nagel on Death.                               | 20 |
| 3.  | Answer any two of the following in about 250 words each :                         |    |
| (a) | Contrast Fractal geometry with Euclidean geometry.                                | 10 |
| (b) | Is technology ethically neutral ? Justify your stand.                             | 10 |
| (c) | Briefly describe the development of neurology in the 20 <sup>th</sup> century.    | 10 |
| (d) | Do you think that indefinite extension of technology is desirable ? Give reasons. | 10 |
-

4. Answer **any four** of the following in about **150 words** each :
- (a) Show how chaos and determinism are compatible. 5
  - (b) Comment on nature-culture dualism. 5
  - (c) What are the goals of HGP ? 5
  - (d) If religious experience is guided by human brain, then can it be spiritual ? 5
  - (e) Briefly discuss the symbols of evil. 5
  - (f) Can Cosmic extinction be slowed down ? 5
5. Write short notes on **any five** of the following in about **100 words** each :
- (a) Butterfly effect 4
  - (b) Philosophical significance of singularity 4
  - (c) Genetic engineering 4
  - (d) Turing Machine Approach 4
  - (e) Brain death 4
  - (f) Vision Vs. Dream 4
  - (g) Cloning 4
  - (h) Humans and disaster 4

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No. of Printed Pages : 2

**MPYE-013**

01821

**M.A. PHILOSOPHY (MAPY)**

**Term-End Examination**

**December, 2018**

**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 question no. 1 and 2 should be in about 500 words each.*

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1. Elucidate the applications of fractals. 20

**OR**

Evaluate the criticisms of technology. 20

2. Examine the nature of artificial intelligence and show how it differs from animal intelligence. 20

**OR**

Write an essay on the pros and cons of physical immortality. 20

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

(a) Why is it said that nano technology heralded technological revolution ? 10

(b) Explain the relation between science and technology. 10

(c) Describe briefly the implications of synesthesia. 10

(d) Give an account of the Ancient Western perception of death. 10

4. Answer **any four** of the following in about **150** words each.
- (a) 'Chaos is as relevant as cosmos'. Comment. 5
  - (b) Can nature ever remain natural amidst fast developing technology ? 5
  - (c) Briefly explain the role of bio-informatics in HGP. 5
  - (d) What is qualia ? 5
  - (e) If a mystical experience is biological, can it truly remain mystical ? 5
  - (f) Bring out the unique features of cybernetic organism. 5
5. Write short notes on **any five** of the following in about **100** words each.
- (a) Koch curve 4
  - (b) Hyper reality 4
  - (c) Genetic Chips 4
  - (d) Racial discrimination 4
  - (e) Machine learning 4
  - (f) FMRI 4
  - (g) Good, the source of evil 4
  - (h) Non-human dimension of disaster 4

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**MPYE-013**

**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 no. **1** and **2** should be in **about 500 words** each.

1. Examine how determinism and chaos are related. [20]

**OR**

What role genetics may play in future ? Analyse. [20]

2. Is consciousness a neurological phenomenon ? Discuss. [20]

**OR**

How can you scientifically defend immortality ? [20]

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

- (a) Contrast Euclidean geometry with fractal geometry. [10]
- (b) How has nanotechnology shaped present day life style ? [10]
- (c) Elucidate ethical considerations behind technological development. [10]
- (d) What is artificial intelligence ? What are its distinct advantages ? Explain. [10]

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

- (a) Distinguish between real and hyper real. [5]
- (b) Briefly explain the advantages of genetic engineering. [5]
- (c) Is death an evil ? [5]
- (d) How is cognition possible in a machine ? [5]
- (e) What does brain death mean ? [5]
- (f) Briefly explain the symbols of evil. [5]

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

- |     |                       |     |
|-----|-----------------------|-----|
| (a) | Cantor Set            | [4] |
| (b) | Bionics               | [4] |
| (c) | Stem Cell             | [4] |
| (d) | Racial Discrimination | [4] |
| (e) | Turing Machine        | [4] |
| (f) | Neuroculture          | [4] |
| (g) | Cybernetic            | [4] |
| (h) | Dasein                | [4] |

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1675

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MPYE-013

**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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**MPYE-013**

**M. A. (Philosophy) (MAPY)**

**Term-End Examination**

**June, 2020**

**MPYE-013 : PHILOSOPHY OF TECHNOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

*Note : Answer all the five questions. All questions carry equal marks. Answers to Question Nos.*

*1 and 2 should be in about 500 words each.*

- 
- 
1. Compare and contrast Euclidean and fractal systems of geometry. 20

*Or*

Evaluate the applications of genetic engineering against philosophical background.

2. Trace the evolution of neurology. 20

**P. T. O.**

[ 2 ]

MPYE-013

Or

Is physical immortality a myth ? Justify your answer.

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

(a) Briefly discuss the ethical implications of nanotechnology. 10

(b) Distinguish between pure science and applied science. 10

(c) What does turing test indicate ? Explain. 10

(d) Trace the transition from possibility of evil to its actuality. 10

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

(a) Contrast determinism with indeterminism.



[ 3 ]

MPYE-013

(b) Distinguish between nature and nurture. 5

(c) What are the advantages of bioinformatics ? 5

(d) What steps have been initiated to counter racial discrimination ? 5

(e) Distinguish between mystical vision and dream. 5

(f) What is a moral evil ? 5

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

(a) Biomimics 4

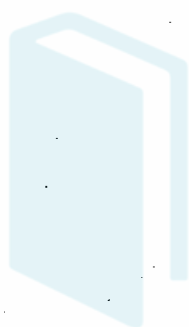
(b) Singularity 4

(c) Gene therapy 4

**[ 4 ]**

**MPYE-013**

- |                                 |   |
|---------------------------------|---|
| (d) Cloning                     | 4 |
| (e) Crick on consciousness      | 4 |
| (f) Molecular switch            | 4 |
| (g) Human-made disaster         | 4 |
| (h) Authentic attitude to death | 4 |



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**MPYE-013**

**M. A. (PHILOSOPHY) (MAPY)**

**Term-End Examination**

**December, 2020**

**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. Describe the technological elements of human nature. 20

*Or*

Discuss sociological and philosophical issues underlining HGP.

2. Is there any dichotomy between neural activity and consciousness ? Critically examine. 20

*Or*

Does human extension lead to cosmic extinction ? Evaluate the possibility.

[ 2 ]

MPYE-013

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

- (a) Analyse the attempts to democratise technology.
- (b) Explain determinism and indeterminism in detail.
- (c) What is the meaning of brain death ? What are the implications of brain death ?
- (d) Examine the philosophical implications of consciousness of mortality.

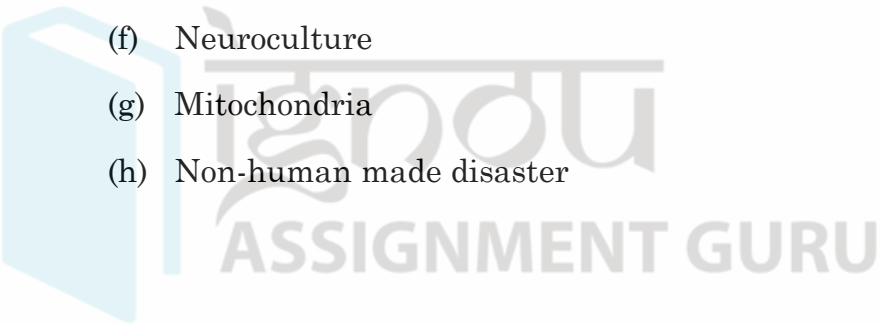
4. Answer any **four** of the following in about **150** words each : 5 each

- (a) What is Julia set ?
- (b) What is the significance of Chaos theory ?
- (c) Explain the kinds of potency of stem cells.
- (d) Examine Stegmüller's classification of practising philosophy.
- (e) Analyse the problem of qualia.
- (f) Contrast the Epicurean and the stoic theories of death.

[ 3 ]

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

- (a) Nanotechnology in medical field
- (b) Hyperreality
- (c) Neutrality of technology
- (d) Genetic engineering
- (e) Machine learning
- (f) Neuroculture
- (g) Mitochondria
- (h) Non-human made disaster



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