



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034

M.A. DEGREE EXAMINATION – SOCIOLOGY

THIRD SEMESTER – NOVEMBER 2024

PSO3MC03 – SCIENCE TECHNOLOGY AND SOCIETY



Date: 12-11-2024

Dept. No.

Max. : 100 Marks

Time: 01:00 pm-04:00 pm

SECTION A – K1 (CO1)

Answer ALL the questions

(5 x 1 = 5)

1 Fill in the blanks

- Bitcoin is based on _____ technology.
- ANT is expanded as _____.
- According to Merton, _____ helped in the rise of science in Europe.
- _____ is the word used by Fuchs to describe the simultaneous production and consumption that is happening in social media.
- Einstein's theory of relativity was proved by _____.

SECTION A – K2 (CO1)

Answer ALL the questions

(5 x 1 = 5)

2 Match the following

- | | | |
|----------------------------|---|-----------------------|
| a) Paradigm shift | - | Blockchain Technology |
| b) What is Science? | - | Bruno Latour |
| c) Cryptocurrency | - | Sundar Sarukkai |
| d) When things strike back | - | Herbert Marcuse |
| e) One-Dimensional Man | - | Thomas Kuhn |

SECTION B – K3 (CO2)

Answer any THREE of the following in 100 words each.

(3 x 10 = 30)

- Trace the emergence of sociology of science as pointed out by Ben-David.
- Sketch how artificial intelligence can be understood sociologically.
- Explain how science is understood as a calling by Brahmins in India.
- Analyze how reproductive technologies can be understood as a technology of surveillance.
- Demonstrate your understanding of paradigm shift.

SECTION C – K4 (CO3)

Answer any TWO of the following in 200 words each.

(2 x 12.5 = 25)

- Illustrate how technology has entered intimate aspects of our lives with examples.
- Sketch how things strike back in ANT.
- Highlight the characteristics of STS as shown by John Law.
- Examine Karl Popper's theory of falsification with an example.

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SECTION D – K5 (CO4)	
	Answer any ONE of the following in 500 words (1 x 15 = 15)
1 2	Appraise how social media is understood as a technology of exploitation by Christian Fuchs.
1 3	Formulate the relationship between state and science in modern society.
SECTION E – K6 (CO5)	
	Answer any ONE of the following in 1000 words (1 x 20 = 20)
1 4	Summarize the ways in which science can be understood by Sundar Sarukkai.
1 5	“Puritan ethic accelerated the growth of science”. Justify using R.K. Merton.
