

QP CODE: 24900137



Reg No:.....

Name:.....

**MAHATMA GANDHI UNIVERSITY, KOTTAYAM**  
**FIRST SEMESTER MGU-UGP (HONOURS) REGULAR**  
**EXAMINATION NOVEMBER 2024**

**First Semester**

**Multi-Disciplinary Course - MG1MDCHIS101 - SCIENCE AND SOCIETY**

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours

Maximum Marks: 50

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I),  
Appreciation (Ap), and Skill (S)**

*Students should attempt atleast one question from each course outcome to enhance their overall  
outcome attainability.*

[Learning Domain][CO No(s)]

**Part A**

Short Answer Questions

Answer any 5 out of 8 questions.

Each question carries 2 marks

- |   |   |      |     |
|---|---|------|-----|
| 1 | What is meant by Epistemology   | [U]  | [1] |
| 2 | Explain the meaning of 'Cogito, ergo sum'                               | [U]  | [1] |
| 3 | What is meant by Survival of the Fittest                                | [U]  | [3] |
| 4 | What is the significance of Philosophia naturalis principia mathematica | [U]  | [1] |
| 5 | Define a priori knowledge   | [An] | [2] |
| 6 | What is meant by 'Radio Carbon Dating'                                  | [An] | [2] |
| 7 | Define 'Paradigm Shift'   | [E]  | [3] |
| 8 | What is meant by 'Indigenous Knowledge'                                 | [E]  | [3] |

(5 × 2 = 10)

### **Part B**

#### **Short Essay Questions**

Answer any 4 out of 7 questions.

Each question carries 5 marks

- |    |   |      |        |
|----|---|------|--------|
| 9  | How the methodical doubt of Descartes contributed to the development of scientific thinking   | [U]  | [1]    |
| 10 | What is the theory of natural selection   | [U]  | [3]    |
| 11 | Explain the process of institutionalization of scientific practice in Europe                  | [U]  | [1]    |
| 12 | Survey the material milieu of the development of science in Arab world                        | [An] | [2]    |
| 13 | How far Europe owed to Chinese science in its later scientific development                    | [An] | [2]    |
| 14 | Examine the influence of post modernism in the theory and knowledge of scientific practice    | [An] | [4]    |
| 15 | Examine the role of Kerala Sasthra Sahithya Parishad in the total literacy campaign a success | [U]  | [1, 4] |

(4 × 5 = 20)

### **Part C**

#### **Essay Questions**

Answer any 2 out of 4 questions.

Each question carries 10 marks

- |    |   |      |        |
|----|---|------|--------|
| 16 | Recall the contributions of Charles Darwin in understanding the history of the origin and dynamics in the biological world of species   | [U]  | [1, 3] |
| 17 | Examine the growth of astronomical and mathematical knowledge in ancient India  | [An] | [2]    |
| 18 | Analyse the dynamic growth in KSSP's activism from mass science education to political activism in the age of new democratic initiative | [An] | [1, 4] |
| 19 | How does science become a tool of both industrial capitalism and imperialism. Discuss?  | [E]  | [3]    |

(2 × 10 = 20)

**END OF THE QUESTION PAPER**

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