

QP CODE

Enrollment Number:

H1120

Name:

B.A DEGREE EXAMINATIONS, MARCH 2026

Fifth Semester

B.A Sociology

B21SO06DE – Science, Technology and Society

(2023 January Admissions)

Time: 3 Hours

Max Marks: 70

Section A

Answer any ten of the following questions in a word or sentence each. Each question carries 1 mark.

1. Who is called the father of modern science?
2. Who invented the steam engine?
3. Name one technology that transformed communication.
4. Define automation.
5. What is Green Revolution?
6. Who is the missile man of India?
7. Define sustainable development.
8. Name one renewable energy source.
9. What is e-waste?
10. Define carbon footprint.
11. Which ministry governs science in India?
12. Expand IPR.
13. Expand GM crops.
14. Define data privacy.
15. What is genetic engineering?

(1X10=10)

Section B

Answer any ten of the following questions in two or three sentences each. Each question carries 2 marks.

16. Differentiate science and technology.
17. Why is falsifiability important in science?
18. Explain peer review in science.

19. State two positive impacts of mobile technology.
20. Why is access to technology a social justice issue?
21. How does technology contribute to climate change?
22. State two impacts of industrialization on environment.
23. Why is renewable energy important for environment?
24. Explain ecological balance.
25. Explain the importance of science policy.
26. State two objectives of India's STI policy.
27. What is the role of government in promoting innovation?
28. Explain why ethics is important in science.
29. State two ethical concerns in biotechnology.
30. What is the role of ethics in medical research?

(2X10=20)

Section C

Answer any five of the following questions in a paragraph each. Each question carries 4 marks.

31. Discuss the relationship between science and society with examples.
32. Discuss the role of ICT in education.
33. Evaluate the impact of Green Revolution on Indian society.
34. Describe the role of biotechnology in agriculture.
35. Discuss the role of science in addressing environmental issues.
36. Explain the impact of industrialization on environment.
37. Analyze the role of government in promoting innovation.
38. Evaluate the ethical challenges posed by Artificial Intelligence.
39. Describe the ethical concerns in medical research.
40. Analyze the ethical implications of biotechnology in agriculture.

(4X5=20)

Section D

Answer any two of the following questions in two pages each. Each question carries 10 marks.

41. Evaluate the strengths and limitations of scientific knowledge in addressing social problems.
42. Critically evaluate the role of digital technologies in reshaping social institutions.
43. Critically analyze the role of science and technology in India's development trajectory.
44. Evaluate the role of science policy in promoting equity and development.

(10X2=20)