

S.No. 1424

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(For candidates admitted from 2016–2017 onwards)

M.A. DEGREE EXAMINATION, NOVEMBER 2022.

History

HISTORY OF SCIENCE AND TECHNOLOGY

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Scientist
2. Engineering
3. Brahmagupta
4. Metallurgy
5. Dogma
6. Al Biruni
7. Alchemy
8. Thomas Alva Edison
9. Madras Observatory
10. ISRO

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Give a brief account on the Character of Science.

Or

- (b) Narrate about the methods of science.
12. (a) Write a short note on the mathematics during Early Civilization.

Or

- (b) Highlight the development of Medicine in Ancient India.
13. (a) Examine the role of Roger Bacon in the development of science in the Medieval period.

Or

- (b) Briefly review the investigations in Alchemy and Chemistry in medieval Islam.
14. (a) Mention about the development of science during the Age of Enlightenment.

Or

- (b) Brief on the scientific and technological innovations made during Industrial Revolution.

15. (a) Report on the National Academy of Sciences in India during British rule.

Or

- (b) Write short notes on Srinivasa Ramanujam.

PART C — (3 × 10 = 30)

Answer any THREE questions of the following.

16. Write an essay on the use of science for the means of production.
17. Explain about the interactions of Science and Society.
18. Trace the evolution of agriculture in the ancient civilizations.
19. Elucidate the advancement of Physical Sciences in the medieval period.
20. Analyze the role of British in the development of Science and Technology in India.