

2017
HISTORY
Paper : 404

HISTORY OF SCIENCE AND TECHNOLOGY IN INDIA

Full Marks: 80

Time: 3 hours

The figures in the margin indicate full marks for the questions

1. **Answer the following questions :** 2X4=8
 - a) Metal technology originated in which techno-cultural phase.
 - b) Name the famous surgeon of ancient India.
 - c) Name the famous mathematician of ancient India.
 - d) Under the banner of which institution and in which year modern or western science was institutionalized in India?

- 2) **Answer the following questions :** 5X4=20
 - a) What do you mean by technology?
 - b) Write a short note on pre historic technology.
 - c) Write a short note on the trading activities during early medieval India.
 - d) Write a note on Aligarh Scientific Society.

- 3) **Answer questions of the following :** 10X2=20
 - a) Discuss elaborately on the ancient Indian science and technology with special reference to medicine, mathematics and astronomy.

Or

- b) What is technological progress? What are the various stages of technological progress according to Lewis Morgan, Leslie White and Gerald Lewinski?
- c) Explain the seafaring activities in east and west Indian littorals.

Or

- d) Discuss the natural history in India in 18th and 19th century

4) **Answer the following questions :** 16X2=32

- a) Discuss the scientific and technological scenario of independent India.

Or

- b) Discuss the scientific thought in ancient India.
- c) Explain how the growth of science became an instrument of empire building in the context of European overseas empire.

Or

- d) Discuss the technological development and its implication on various fields during the time of the Mughals.