

*Total number of printed pages-3*

**63/2 (SEM-4) HIS 401**

**2024**

**HISTORY**

Paper : HIS 401

***(History of Science and  
Technology in India)***

*Full Marks : 80*

*Pass Marks : 32*

Time : Three hours

***The figures in the margin indicate  
full marks for the questions.***

1. Answer the following questions :      2×4=8
  - (a) Define the term of *Ganita*.
  - (b) How many *naksatras* are there according to Mahabharata ?
  - (c) Who was the Islamic scientist earned the title Vidya Sagar (Ocean of Knowledge) ?
  - (d) Who prepared the Map of Hindustan ?

*Contd.*

2. Answer the following questions :  $5 \times 4 = 20$

- (a) Write a note on Yantradhyay of Bhaskara.
- (b) Make a note on Unani medicine.
- (c) Write a short note on Galaxy rocket.
- (d) Write a short note on Asiatic Society of Bengal.

3. Answer the following questions :  $10 \times 2 = 20$

- (a) What are the key contributions of Ancient Indian astronomers to the field of astronomy? Discuss.

**Or**

- (b) How did Raja Sawai Jai Singh contribute to the field of astronomy in Medieval India? Discuss.
- (c) Discuss the techniques and processes involved in Ancient Indian metalworking.

**Or**

- (d) Write an essay on the early botanical research in India.

4. Answer the following questions :  $16 \times 2 = 32$

- (a) Assess the works of Aryabhatta in Ancient Indian mathematics.

**Or**

- (b) Discuss the development of chemical science in Medieval India.
- (c) Give an account on the contribution of Patanjali to Indian culture.

**Or**

- (d) Write an essay on the role played by Indian natives in early British scientific endeavour.