

P. Pages : 2



Time : Three Hours

GUG/S/25/14344

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

- 1.** a) Explain Dravidian architecture in detail? 8
b) Review nature and importance of technology in pre-colonial India. 8

OR

- 2.** a) Discuss any one source of History of science. 8
b) Describe Mesolithic age in prehistoric period. 8
3. a) Justify the statement "Bodies fall towards the earth as it is nature of earth to attract bodies, just as it is the nature of water to flow" given by Brahmagupta. 8
b) What were Varahamihira's major contributions to mathematics and astronomy? 8

OR

- 4.** a) Describe the contribution of Bhaskaracharya in detail. 8
b) Discuss the points given Siddhanta Shiromani. 8
5. a) Explain the term Rhinoplasty given by Sushruta. 8
b) What are the philosophical and theoretical connections between Ayurveda and Yoga? 8

OR

- 6.** a) What are the foundational principles of Ayurveda, and how do they differ from modern medicine? 8
b) How did Charaka's work influence the development of medical knowledge in ancient India? 8
7. a) What are the objectives of Space Research in India? 8
b) Explain Food Biotechnology in detail. 8

OR

- 8.** a) List and explain all the major achievements of DRDO. **8**
- b) What is the INSAT system and its services? **8**
- 9.** a) How does the government plan and decide the expenditure budget for Research and Development? **8**
- b) What are the major achievements of Science and Technology during Five Year Plan? **8**

OR

- 10.** a) What were the Science and Technology Policies in India in the post 1990s phase? **8**
- b) Explain the Technology and Innovation Policy 2013. **8**
