

B.E. Computer Science & Engineering (Model Curriculum) Semester-VIII  
**BE203CS-I - History of Science & Technology**

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

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