

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

P. Pages : 2

Time : Three Hours



GUG/W/24/14344

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.

1. a) Review nature and importance of Technology in Pre-colonial India. 8
- b) Explain Harrapan period and Vedic period in ancient India. 8

OR

2. a) What is the nature of science and technology? 8
- b) Explain Dravidian architecture in detail. 8
3. a) Describe the Aryabhata inventions and Aryabhata discoveries. 8
- b) Describe contribution of Bhaskaracharya. 8

OR

4. a) How did Brahmagupta contribute to mathematics? 8
- b) How did Nagarjuna contribute to society? 8
5. a) Describe Shushruta - The Physician. What did Shushruta say about anatomy? 8
- b) Discuss the role of Charak in the growth of Ayurved. 8

OR

6. a) Who is Patanjali? What is the central idea of the Yog Sutras? 8
- b) Describe principles and Terminology associated with Ayurvedic system of medicine. 8
7. a) Describe the structure of CSIR organization. 8
- b) What are the challenges and opportunities in front of India's space program? 8

OR

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|-----------|----|--|----------|
| 8. | a) | What is the role of DRDO? | 8 |
| | b) | What is the Integrated Guided Missile Development Programme (IGMDP)? | 8 |
| 9. | a) | What is the national innovation policy document? | 8 |
| | b) | What is the history of five year plans? | 8 |

OR

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| 10. | Write short note on- | | 16 |
| | i) | Nehruvian Era | |
| | ii) | PM Shastri Era | |
| | iii) | PM Indira Gandhi Era | |
| | iv) | PM Rajiv Gandhi Era | |
