

[Total No. of Questions - 9]
(2063)

[Total No. of Printed Pages - 2]

922

B.Tech 2nd Semester Examination
Science Technology and Society (O.S.)
HU-1002

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all, selecting one question each from sections A, B, C and D and the entire Section E. All question carry equal marks.

SECTION - A

1. Describe the social and professional activities of technologists to develop sustainable technology. (20)
2. Explain the inter-relationship between technological growth and economic growth. (20)

SECTION - B

3. Write in details about the club of Rome about the growth and depletion of resources with the industrial and technology growth. (20)
4. What do you mean by energy crisis and how one can overcome from this by developing renewable energy resources? Give at least two examples of renewable energy resources. (20)

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SECTION - C

5. Provide the comparison between technology in developed and developing country. (20)
6. What do you mean by human operator in industry and explain problems of man machine interactions? (20)

SECTION - D

7. Describe differences between the authoritarian and democratic control of technology. (20)
8. Explain the Political and Social influences in the development of technology and justify your answer in Indian context. (20)

SECTION - E

- 9.. Short note on the following:
- (a) Indian science and technology
 - (b) Solar Energy
 - (c) Environmental degradation
 - (d) Impact of assembly line
 - (e) Nuclear threats
 - (f) Water pollution caused by industry
 - (g) Safety Regulations
 - (h) Why you have chosen engineering profession
 - (j) Ethic issues
 - (j) Industrial hazards (10×2=20)