

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2063)

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)**

922/1700

[P.T.O.]

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)**