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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 question in all, select one question each from section A, B, C & D. Section E is compulsory.

SECTION - A

1. What is the impact of modern technology on our social institutions? Discuss. (20)

2. “Technology growth has a perfect relationship with economic growth.” Comment on this statement. (20)

SECTION - B

3. What are the causes of energy crisis? Explain the remedies to avert energy crisis. (20)

4. Discuss the social and human critiques of technology. (20)

SECTION - C

5. What is the impact of assembly line and automation on technology? (20)

6. Define technology assessment. How technology assessment can be made effective? (20)

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SECTION - D

7. Write short notes on the following:
   (i) Environmental ethics.
   (ii) Business ethics.
   (iii) Social responsibility of a business enterprise. (20)

8. “Social and ethical audit of industrial organizations should be mandatory in India.” Comment on this statement. (20)

SECTION - E

9. Write short answers of the following:
   (a) Green house effect.
   (b) Differentiate between science and technology.
   (c) Whistle blowing.
   (d) Water pollution and its effect.
   (e) Eco-friendly technologies.
   (f) Technology and arms race.
   (g) Industrial revolution.
   (h) Safety Engineering.
   (i) Environmental regulations.
   (j) Nuclear Threat. (2×10=20)