

TED (10)–2001  
(REVISION—2010)

Reg. No. ....  
Signature .....

FIRST SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/  
TECHNOLOGY—MARCH, 2013

TECHNOLOGY IN SOCIETY  
(Common-Except DCP and CABM)

[Time : 3 hours

(Maximum marks : 100)

Marks

PART—A

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Give the twin roles of Arabs in the story of science and technology.
2. What are wind mills ?
3. What is the significance of Guttenberg in Technology ?
4. Give two examples of renewable energy sources.
5. Give two potentials of Nanotechnology.

(5x2=10)

PART—B

II Answer *any five* questions. Each question carries 6 marks.

1. Give a brief history of technical background in the production of Iron.
2. Give the impact of Satellite Communication on Society.
3. Write the advantages and disadvantages of hydroelectric power.
4. Give certain impacts of computer on Society.
5. What is role of thorium in India's Nuclear Program ?
6. Discuss the Siemen's Process.
7. Briefly explain origins of technology.

(5x6=30)

PART—C

(Answer *one* full question from each unit. Each question carries 15 marks.)

UNIT – I

- III (a) Explain the contributions made by the Greek and Alexandrian towards technology. 8
- (b) The Egyptians used post and lintel structure for their buildings while the Mesopotamians had to invent arch. Explain. 7

OR

- |   | Marks |
|---|-------|
| IV (a) Explain the features of Indus Valley Civilization.             | 8     |
| (b) The Chinese were scrupulous about keeping records. Give examples. | 7     |

## UNIT - II

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|---|---|
| V (a) What are the contributions of Leonardo Da Vinci as Engineer ?                           | 7 |
| (b) Describe about the Rebellions that took place during the course of Industrial Revolution. | 8 |

OR

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|--|---|
| VI (a) Explain the Social, Political and Economic factors which led to the Industrial Revolution in England. | 8 |
| (b) Discuss the beginnings of mass production techniques in Renaissance Europe.                              | 7 |

## UNIT - III

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|--|---|
| VII (a) Explain the history and significance of internet.        | 7 |
| (b) Explain the history of technical background behind Aviation. | 8 |

OR

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|--|---|
| VIII (a) Write briefly about Indian Space Program.             | 8 |
| (b) Discuss the advantages and disadvantages of nuclear power. | 7 |

## UNIT - IV

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|--|---|
| IX (a) Give the impact of technology on society. | 8 |
| (b) Explain Gandhian Approach to technology.     | 7 |

OR

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|--|---|
| X (a) Explain the impact of technology on Agriculture. | 8 |
| (b) Explain the effects of Green Revolution in India.  | 7 |
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