

TED (10) – 2001

Reg. No.

(REVISION—2010)

Signature

FIRST SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/
TECHNOLOGY—OCTOBER, 2014

TECHNOLOGY IN SOCIETY
(Common—except DCP & CABM)

[Time : 3 hours

(Maximum marks : 100)

PART—A

(Maximum marks : 10)

Marks

I Answer the following questions in one or two sentences. Each question carries 2 marks.

1. Why was bronze and not iron used for making the first metallic weapons and tools ?
2. History has reserved 2 roles for Arabs in the story of science and technology. What are they ?
3. What is puddling process ?
4. What is impulse wheel ?
5. Define "Limits to Growth".

(5×2=10)

PART—B

(Maximum marks : 30)

II Answer *any five* of the following. Each question carries 6 marks.

1. What is the role of fire in the development of mankind ?
2. Explain the contributions made by Romans towards technology.
3. Give details of assaying.
4. How was industrial revolution related to economic system ?
5. Write short history of water power.
6. Explain the role played by thorium in India's nuclear energy programme.
7. Explain the features of sustainable development in India.

(5×6=30)

PART—C

(Maximum marks : 60)

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

UNIT—I

- III (a) Explain the salient features of indus valley civilization. 8
 (b) Write the contributions made by India towards technology. 7

OR

- IV (a) Write notes on beginnings of civilization. 8
 (b) Explain the contributions made by mesopotomia towards technology. 7

UNIT—II

- V (a) Illustrate exploitation of labour during the industrial revolution. 8
 (b) Explain the contributions of leonardo da vinci as an engineer. 7

OR

- VI (a) Explain how the transition from the craft mode of production to factory mode of production took place in England. 8
 (b) Describe the contribution of textile industry to indutrial revolution. 7

UNIT—III

- VII (a) Bring out the importance of nuclear technology. 8
 (b) Explain the significance of bessemer converter for the production of steel. 7

OR

- VIII (a) Briefly explain the transportation revolution. 8
 (b) Explain the renewable energy options for future. 7

UNIT—IV

- IX (a) Explain the effects of green revolution in India. 8
 (b) Explain Gandhian Approach to technology. 7

OR

- X (a) Explain the role played by big corporations in developing technology. 8
 (b) Explain the impact of technology on culture. 7