

TED (10)-2001
(REVISION-2010)

Reg. No.....
Signature

FIRST SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/
TECHNOLOGY—OCTOBER, 2010

TECHNOLOGY IN SOCIETY
(Common-Except DCP and CABM)

[Time : 3 hours

(Maximum marks : 100)

PART—A

(Answer all questions in one or two sentences. Each question carries 2 marks)

Marks

- I (a) Name the two cities of Indus valley civilization which were remarkable examples of town planning. *Chalappa, Mohan Jodaro (to illustrate building)*
- (b) Give reasons for the increased consumption of iron towards the end of sixteenth century. *Increased population & increased war. increased use of iron products.*
- (c) Name two factors which negatively affects the bright future of automobiles. *Air pollution, sound pollution*
- (d) What are the roles that Gandhiji believed technology should play in the villages of India?
- (e) Give any two examples of renewable energy options available for the mankind. *wind energy, solar energy*

(5×2=10)

PART—B

(Answer any five questions. Each question carries 6 marks.)

- II (a) "If you wish for peace, prepare for war." Justify this statement by Roman writer Vegetius on the basis of contributions made by Rome towards technology.
- (b) Explain the contributions made by ancient India towards metallurgy.
- (c) While middle ages are considered as a dark age for science, it is not so in the case of technology. Discuss the reasons.
- (d) Explain the roles played by Islam in the development of science and technology.
- (e) Discuss the advantages, applications and threats of nanotechnology.
- (f) Explain the effect of miniaturization on technology.
- (g) Research and development in modern technology are supported either by the government or by commercial interest of huge corporations. Discuss the positive and negative aspects of this situation.

(5×6=30)

PART—C

(Answer four full questions. Each question carries 15 marks.)

- III (a) Explain the contributions made by ancient China towards technology. 10
 (b) Period from fourth century B.C. to sixth century A.D. is known as golden age of science and technology in India. Why? 5
- OR
- IV (a) Explain the salient features of Indus Valley Civilization. 10
 (b) Explain how agriculture changed the life of human beings. 5
- V (a) Explain the impact of industrial revolution on society.
 (b) Explain the contributions of Leonardo Da Vinci as an engineer. 5
- OR
- VI (a) Discuss the initial opposition to Industrialization in England and explain how it died down. 10
 (b) What is assaying? Explain the reasons for the achievements in assaying. 5
- VII (a) Explain the impact of computer on society. 10
 (b) Explain the important role played by thorium in India's nuclear energy programme. 5
- OR
- VIII (a) Is nuclear energy an answer for the energy requirements of the modern world? Justify your answer. 10
 (b) Explain the impact of large dams on environment. 5
- IX (a) Explain the impact of technology on society. 10
 (b) Explain the effects of Green Revolution in India. 5
- OR
- X (a) Explain the Gandhian approach to technology. 10
 (b) Explain the impact of technology on agriculture. 5

(4×15=60)