

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE, OCTOBER/NOVEMBER – 2019**

TECHNOLOGY IN SOCIETY

[Maximum Marks: 100]

[Time: 3 Hours]

PART-A

[Maximum Marks: 10]

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

- I. 1. Name the inventions which led to the origin of technology.
2. Name the two cities of Indus Valley Civilization which were remarkable examples of town planning.
3. History has reserved two roles for Arabs in the story of science and technology. What are they?
4. Describe the concept of nanotechnology.
5. Define green technology. (5x 2 = 10)

PART-B

[Maximum Marks: 30]

(Answer any *Five* of the following questions. Each question carries 6 marks)

- II. 1. Discuss how technology influenced the development of society during the Old Age.
2. List important contributions made by Chinese to technology.
3. Name some contributions of Leonardo da Vinci as an engineer.
4. What are the contributions of James Watt to steam engine?
5. What are the improvements in water transport in the twentieth century?
6. Discuss what is meant by Sustainable development.
7. Explain how technology shapes society. (5x 6 = 30)

PART-C

[Maximum Marks: 60]

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

UNIT -I

- III. (a). Explain how agriculture changed the life of human beings. (7)
(b). Describe the contributions of Indus Valley Civilization. (8)

OR

- IV. (a). Describe the contributions made by the ancient Egyptian Civilization towards technological development. (7)
- (b). “If you wish for peace, be prepared for war”. Justify this statement by Roman writer Vegetius on the basis of contributions made by Rome towards technology. (8)

UNIT -II

- V. (a). While middle ages are considered as dark age for science; it is not so in the case of technology. Discuss the reasons. (7)
- (b). Briefly describe the social and political background of Industrial Revolution. (8)

OR

- VI. (a). How did coal emerge as the fuel of industrial revolution. (7)
- (b). Write short notes on:- (8)
- (i). Luddism. (ii). Assaying. (iii). Vagrancy Law. (iv). Canal locks.

UNIT -III

- VII. (a). Describe the importance in water transport that occurred in the twentieth century. (7)
- (b). Explain the effect of miniaturization on technology. (8)

OR

- VIII. (a). Discuss the future of computers. (7)
- (b). Describe the ‘three stage’ nuclear development programme of India. (8)

UNIT -IV

- IX. (a). Describe the impact of Industrial revolution on Society. (7)
- (b). What kind of technology did Gandhiji advocate for rural India. (8)

OR

- X. (a). Describe the impact of technology on the environment. (7)
- (b). Explain the effects of ‘Green revolution’ in India. (8)