

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017

TECHNOLOGY IN SOCIETY

[Time : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

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

1. What were the two great centres of learning in India during the period from fourth century BC.
2. Give the twin roles of Arabs in the story of science and technology.
3. What is puddling process ?
4. Why organic farming is important ?
5. Define sustainable Development. (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain contributions made by ancient china towards technology.
2. How agriculture changed the life of human beings.
3. What is assaying ?
4. What are main contributions of Leonardo Davinci as an engineer ?
5. Explain the impacts of large dams on Development.
6. Explain the role of mobile phones in modern life.
7. Explain the effects of Green Revolution 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 civilisation. 8
 (b) Explain the contributions made by Mesopotamia towards technology. 7

OR

- IV (a) Write notes on beginning of civilization. 8
 (b) Write contributions made by India towards technology. 7

UNIT — II

- V (a) How did the Industrial Revolution affect families. 8
 (b) Describe the contributions of Renaissance period to the development of technology. 7

OR

- VI (a) Explain how the transition from craft mode of production to factory mode took place in England. 8
 (b) What were the responses against industrialization. 7

UNIT — III

- VII (a) Explain importance of Nuclear technology. 8
 (b) Explain renewable energy options for future. 7

OR

- VIII (a) Explain Transport Revolution. 8
 (b) What are the disadvantages of Nuclear Power. 7

UNIT — IV

- IX (a) Explain the role played by big corporations in developing technology. 8
 (b) Explain Gandhian approach to technology. 7

OR

- X (a) Explain the impacts of Technology on agriculture. 8
 (b) Explain the concept of "Appropriate technology". 7