

FIRST SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/
TECHNOLOGY — MARCH, 2015

TECHNOLOGY IN SOCIETY
(Common except DCP and 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. What is Citadel ?
2. What is Antikythera mechanism ?
3. What is Luddism ?
4. Why is diode called a valve ?
5. Interpret Green Revolution. (5×2=10)

PART—B

(Maximum marks : 30)

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

1. Discuss the salient features of Mesopotamia Civilization.
2. Describe the contributions of the Greeks to architecture and sculptoring.
3. The demand for iron is related to Industrial revolution. Give your Comments on this statement with suitable example.
4. What are the contributions from Electronics to modern technology ?
5. Explain the transportation revolution in the twentieth century.
6. Write about Nanotechnology.
7. Explain the impact of Technology on the Environment. (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) Discuss the contributions made by China towards the development of Technology. 8
 (b) Discuss the origin of technology during the Old Stone Age. 7

OR

- IV (a) Explain Roman contribution to technology. 8
 (b) Explain the features of Egyptian Civilization. 7

UNIT—II

- V (a) What is assaying? Explain the reasons for the achievements in assaying. 8
 (b) Explain the improvement of transportation during Industrial Revolution. 7

OR

- VI (a) Explain the technical back ground of Industrial Revolution. 8
 (b) What are the provisions in the Factories act passed in 1802 in England? 7

UNIT—III

- VII (a) Explain the water Transport Revolution. 8
 (b) Explain about Bio-Technology. 7

OR

- VIII (a) Explain the Renewable Energy options. 8
 (b) Explain about Internet and its impact in Society. 7

UNIT—IV

- IX (a) Explain the impact of Green Revolution in India. 8
 (b) What are the limits to Growth? 7

OR

- X (a) Explain the impact of Technology on agriculture. 8
 (b) Explain the Gandhian approach to technology. 7