

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

TECHNOLOGY IN SOCIETY
(Common—except DCP and CABM)

[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. How did agriculture affect human life ?
2. Why did civilization flourish on banks of rivers ?
3. Who played a major role in transferring eastern technology to the west ?
4. What is an internal combustion engine ?
5. Define green revolution.

(5×2=10)

PART—B

(Maximum marks : 30)

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

1. “Challenges faced by engineers in Egypt were different from those faced by engineers of Mesopotamia”, give details on this statement.
2. Explain the twin role of Arabs in the story of science and technology.
3. Describe the mechanization of textile industry during industrial revolution.
4. Explain the causes and remedies of global warming.
5. Explain the effect of miniaturization on technology.
6. Give certain impact of internet on technology.
7. Explain how technology shapes society.

(5×6=30)

PART—C

(Maximum marks : 60)

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

UNIT—I

- III (a) What are the contributions made by the Egyptians towards science and technology ? 8
- (b) Describe the mechanical devices and precision tools invented by the Greeks. 7

OR

		Marks
IV	(a) Discuss the origin of technology during Old Stone Age.	8
	(b) Explain the contributions made by ancient India towards metallurgy.	7
UNIT—II		
V	(a) Explain the impact of Industrial revolution on society.	10
	(b) Explain the major Civil Engineering achievements during Renaissance period.	5
OR		
VI	(a) What are the contributions of James Watt to the development of steam engine?	8
	(b) Discuss the improvement of transportation during the industrial revolution.	7
UNIT—III		
VII	(a) Explain the impact of large dams on development.	7
	(b) Explain the impact of computer on society.	8
OR		
VIII	(a) Explain the role of thorium in India's nuclear energy program.	8
	(b) What are the potentials or threats of Nano Technology?	7
UNIT—IV		
IX	(a) Discuss the views of Gandhiji on technological development.	8
	(b) Examine how technology has affected population growth.	7
OR		
X	(a) "It is not technology but greed that destroys the environment", comment on the statement.	8
	(b) Explain how technology has affected our culture.	7
