

TED (15) – 4131

Reg. No.

(REVISION – 2015)

Signature

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

COMPUTER SYSTEM HARDWARE

[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 is BIOS ?
2. Name any two power connectors of power supply unit.
3. What is SATA ?
4. List any two multimedia input devices.
5. Name any two mobile devices. (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Compare BIOS and CMOS.
2. Explain briefly on device drivers.
3. Outline the features of any two hard drive interfaces.
4. Explain flash memory.
5. Explain the operation of any two output devices.
6. Explain the working of any two display types.
7. Summarize security features of mobile devices. (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) List various components of a motherboard and explain any three of them in detail. 9
- (b) Explain POST. 6

OR

- IV (a) Explain any four CMOS setup utility options. 8
- (b) Explain briefly on option ROM. 7

UNIT — II

- V (a) Explain briefly on any three optical storage devices. 9
- (b) Explain SCSI hard drive interface. 6

OR

- VI (a) Explain briefly on any three removable storage and media. 9
- (b) Summarize RAID technology. 6

UNIT — III

- VII (a) Explain any three common peripheral interfaces used in PC. 9
- (b) Explain briefly on any two video display connectors. 6

OR

- VIII (a) Explain the operation of Barcode reader. 8
- (b) Explain briefly on Home Theater PCs. 7

UNIT — IV

- IX (a) Explain briefly on three different input devices of laptop. 9
- (b) Compare the features of Laptop Vs Desktop. 6

OR

- X (a) Explain the procedure for replacing hard drive and memory of a laptop. 9
- (b) Explain docking station of a laptop. 6