TED (15) – 4131

(REVISION — 2015)

Reg. No. ....

Signature ....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2019

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. Define POST.

2. Name any two varieties of modern CPU.

3. What is PATA ?

4. Give notes on CAD.

5. Name any two input devices of a laptop.   (5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Explain any two varieties of RAM.

2. Write any four functions of BIOS.

3. Explain briefly on Disk mirroring.

4. Explain the features of MIDI devices.

5. Describe the installation and configuration of printers.

6. Explain touch screen technology.

7. Write briefly on expantion bubes and ports in laptop.   (5×6 = 30)

[94]

[P.T.O.

Marks

PART — C

(Maximum marks : 60)

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

Unit — I

III (a) Write the uses of power connector and explain any two types of power connector.   6

    (b) Explain briefly on the characteristics of memory.   9

Or

IV (a) Explain different types of DRAM packaging.   7

    (b) Explain the working of a motherboard.   8

Unit — II

V (a) Explain the procedure for partitioning and formatting a hard disk.   9

    (b) Compare any two hard drive interfaces.   6

Or

VI (a) Explain track, sector, cylinder.   9

    (b) Describe disk duplexing with a diagram.   6

Unit — III

VII (a) Explain any two input devices in detail.   8

    (b) Compare thick client and thin client.   7

Or

VIII (a) Explain briefly on any two printer types.   8

    (b) Explain features of biometric devices.   7

Unit — IV

IX (a) Explain ultrabook.   7

    (b) Compare laptop and desktop.   8

Or

X (a) Explain the procedure for disassembling and reassembling of laptops.   8

    (b) Explain docking station.   7