

TED (15/19) -4131
(Revision- 2015/19)

N21-01928

Reg.No.....
Signature.

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE –NOVEMBER -2021.

COMPUTER SYSTEM HARDWARE

(Maximum Marks : 75)

[Time : 2.15 hours]

PART–A

Marks

I. Answer **any three** questions in one or two sentences. Each question carries 2 marks.

1. Define BIOS.
2. List any four connectors of a PC.
3. Write any two benefits of SSDs.
4. List any two multimedia input devices.
5. What is PCMCIA?

(3x2=6)

PART - B

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

1. Explain any three varieties of RAM.
2. Explain the characteristics of power supplies.
3. Outline the features of any 2 hard drive interfaces.
4. Describe the different keyboard connectors.
5. Illustrate the organization of audio/video editing workstations.
6. Discuss about Ultrabooks.
7. Describe docking station.

[4x6 =24]

PART - C

(Answer **any of the three units** from the following. Each full question carries 15 marks)

UNIT I

- III** (a) Explain about any four basic components of motherboard. (8)
(b) List and describe the different types of DRAM packaging. (7)

OR

- IV** (a) Illustrate any four CMOS setup utilities in detail. (8)
(b) Explain POST. (7)

UNIT- II

- V** (a) Describe SCSI hard drive interface. (8)
(b) Summarize RAID technology. (7)

OR

- VI** (a) Differentiate between Disk Mirroring and Disk Duplexing. (8)
(b) Discuss onhard drive partitioning and formatting. (7)

UNIT- III

- VII** (a) Discuss on various expansion cards. (8)
(b) Explain briefly about the different display types. (7)

OR

- VIII** (a) Explain about inkjet and laser printers. (8)
(b) Summarize the features of gaming PCs. (7)

UNIT – IV

- IX** (a) Explain briefly on motherboard and processors of laptops. (8)
(b) Write notes on Touch screen technology. (7)

OR

- X** (a) Illustrate the characteristics of Tablet PCs. (8)
(b) Explain the procedure for disassembling of laptops. (7)
