

**TED (15/19) - 4131**  
(REVISION-2015/19)

A24 - 02615

Reg.No.....  
Signature.....

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/  
MANAGEMENT/COMMERCIAL PRACTICE, APRIL - 2024**

**COMPUTER SYSTEM HARDWARE**

(Maximum Marks:100)

(Time: 3 Hours)

**PART - A**  
( Maximum Mark : 10 )

**Marks**

I. Answer **all** the questions in one or two sentences. Each question carries 2 marks.

1. What is BIOS?
2. What is SDRAM?
3. Define RAID.
4. What is Touch Screen Monitor?
5. What is cache Memory?

( 5 x 2 = 10 )

**PART - B**  
( Maximum Mark: 30 )

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

1. Explain briefly on device driver.
2. Explain DRAM, SDR SDRAM, DDR SDRAM.
3. Explain PATA and SATA Hard drive interface.
4. Explain the procedure for partitioning and formatting HDD.
5. Explain about Biometric device.
6. Explain the working of Keyboard, Barcode Reader.
7. Write differences between Laptop and Desktop.

( 5 x 6 = 30 )

*P.T.O*

**PART – C**

(Maximum Mark: 60)

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

**UNIT - I**

- III a) Explain the basic components of a mother board. (8)
- b) Explain POST. (7)

**OR**

- IV a) Write short notes on different types of memory packaging. (7)
- b) Explain different types DRAM. (8)

**UNIT – II**

- V a) Explain the components inside the Hard drive. (8)
- b) Explain removable storage devices. (7)

**OR**

- VI a) Describe SCSI drives. (8)
- b) Explain briefly optical storage devices. (7)

**UNIT – III**

- VII a) Explain briefly on Home theatre PCs. (7)
- b) Explain about CAD and CAM. (8)

**OR**

- VIII a) Explain Cathode Ray Tube (CRT), Liquid Crystal Display (LCD). (8)
- b) Explain about multimedia input devices. (7)

**UNIT – IV**

- IX a) Explain briefly on processors and Motherboards of Laptop. (9)
- b) Explain procedure for disassembling of laptop. (6)

**OR**

- X a) Explain input devices of Laptop. (9)
- b) Explain features of Mobile devices. (6)

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