

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

N22 - 04055

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

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – NOVEMBER – 2022**

COMPUTER SYSTEM HARDWARE

(Maximum Marks : 100)

(Time : 3 hours)

PART – A
(Maximum Marks : 10)

Marks

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

1. Write the functions of CMOS setup utility.
2. What is chipset in a motherboard.
3. Write about SMPS.
4. List two expansion cards used in PC.
5. List ports used in Laptop. (5x2=10)

PART –B
(Maximum Marks : 30)

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

1. Name the components of a motherboard.
2. Explain briefly the working of personal computer.
3. Explain briefly about disk duplexing.
4. Explain the need and procedure for formatting a HDD.
5. Explain construction details of a speaker.
6. Compare Laptop Vs Desktop.
7. Write short notes on Netbook. (5x6=30)

PART – C

(Maximum Marks : 60)

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

UNIT – I

- III.** (a) Explain expansion slots used in PC. (8)
(b) Explain different type of DRAM packaging. (7)

OR

- IV.** (a) List and explain the back panel connectors used in personal computer. (8)
(b) Explain BIOS and POST. (7)

UNIT – II

- V.** (a) Explain different Hard drive interface. (7)
(b) Explain the working of Hard drive. (8)

OR

- VI.** (a) List RAID and explain any three RAID levels. (8)
(b) Explain the working of optical storage drive. (7)

UNIT –III

- VII.** (a) Explain the steps for installing expansion cards. (8)
(b) Explain the working of keyboard and scanner. (7)

OR

- VIII.** (a) Explain the working of any two non impact printer. (10)
(b) Explain the working any one display devices. (5)

UNIT – IV

- IX.** (a) Explain the features of a Laptop. (8)
(b) List and explain the different memory packaging used in Laptop. (7)

OR

- X.** (a) Explain the procedure for Disassembling and Reassembling of Laptop. (10)
(b) Explain the power systems used in Laptop. (5)
