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

A22-00929

Reg.No………………
Signature…………….

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/ COMMERCIAL PRACTICE, APRIL - 2022

COMPUTER SYSTEM HARDWARE

(Maximum Marks:100)   (Time: 3 Hours)

PART - A
(Maximum marks : 10)

Marks

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

1. Define POST.

2. Define SCSI.

3. Write down the need of Expansion Cards in a Personnel Computer?

4. List any two advantages of Laptop over Desktop.

5. Write down about Docking Stations.   (5 x 2 = 10)

PART - B
(Maximum Marks: 30)

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

1. Explain the significance of CPU, Memory and relationship among them.

2. Explain BIOS and its functions.

3. Explain power supply unit in Personnel Computer.

4. Illustrate the process of partitioning and formatting of HDD.

5. Write down about Home theatre PCs with an example figure.

6. Write short notes on Video Standards.

7. Write short notes on Touchscreen technology.   (5 x 6 = 30)

PART – C
(Maximum marks: 60)
(Answer *one full* question from each unit. Each full question carries 15 marks.)

UNIT - 1

III   (a) Explain various components in a motherboard with a block Diagram?   (8)

        (b) Explain RAM and ROM in Personnel Computer.   (7)

OR

IV   (a) Explain components and working of a personnel computer with a neat sketch? (8)

(b) Explain various characteristics of Memory. Also list various type of memory. (7)

UNIT – 2

V   (a)   Explain the components and working of Hard Disk Drive Systems?   (8)

(b)   Write short notes on Removable storage medias and explain any three?   (7)

OR

VI   (a)   Explain different levels of RAID.   (8)

(b) List and explain various optical storage devices.   (7)

UNIT – 3

VII   (a)   Explain the working of keyboard and mouse.   (8)

(b)   Explain components and working of Laser Jet Printer.   (7)

OR

VIII   (a)   Differentiate working of LCD from CRT displays.   (8)

(b) List and explain various Common peripheral Interfaces.   (7)

UNIT – 4

IX   (a) State features and capabilities of various Mobile Devices.   (8)

(b) List and explain Expansion Buses and Ports in laptops.   (7)

OR

X   (a) List various components of Laptop and explain each component.   (8)

(b) Write down the procedure of Disassembling of Keyboard and Display

     panel in laptops?   (7)

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