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(Revision – 2015/19)

| A21 – 01679 |

Reg. No……………………
Signature …………………

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, APRIL – 2021**

COMPUTER SYSTEM HARDWARE

[Maximum Marks: 75]   [Time: 2.15 Hours]

PART-A
(Answer *any three* questions in one or two sentences. Each question carries 2 marks)

I

1. List any four output devices of a Computer.

2. Define POST.

3. What is SATA?

4. Define Thin Client.

5. List any four types of tablet PCs.   (3×2=6)

PART-B
(Answer *any four* of the following questions.   Each question carries *6* marks)

II

1. Explain any three components of mother board.

2. Explain any three DRAM packaging.

3. Describe how to protect data with RAID.

4. Describe the purpose and characteristics of storage devices.

5. Explain any three expansion cards in a computer.

6. Explain Docking station.

7. Compare Desktop and Laptop.   (4×6=24)

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

UNIT-I

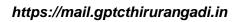III   (a) Explain the varieties of RAM.   (9)

        (b) Describe various chipsets in a computer.   (6)

OR

IV (a) Explain the characteristics of modern processors.   (9)

    (b) Describe the functions of BIOS.   (6)

UNIT – II

V   (a) Explain the various power connectors of a computer.   (9)

    (b) Describe SCSI Hard Drive Interface.   (6)

OR

VI (a) Explain the steps in partitioning and formatting a hard disk drive.   (9)

    (b) Describe Disk Mirroring and Disk Duplexing.   (6)

UNIT – III

VII (a) Explain the characteristics of connectors and cables.   (9)

    (b) Describe any two display types in a computer.   (6)

OR

VIII (a) Explain the working of Laser Printer.   (9)

     (b) Explain any two touch screen technology.   (6)

UNIT – IV

IX (a) Explain the various Input Devices of a laptop.   (9)

    (b) Explain the built – in security utilities in mobile devices.   (6)

OR

X   (a) Explain the features of Netbook Computer.   (8)

    (b) Describe the Expansion buses and ports in a laptop.   (7)