P131/CMP510/EE/201906

Time : 3 Hours   Marks : 80

Instructions :

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

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1. Solve any **four** sub-questions.

     a) Explain floppy disk with respect to the following: 5

        i)   Tracks

        ii)   Sectors

        iii)   Write protect Notch

        iv)   Read Write access

     b) What is Chipset?   5

     c) List the different classification of mouse.   5

     d) Explain BGA work station and its application.   5

     e) Explain MFM recording technique.   5

2. Solve any **four** sub-questions.

     a) List down the different classification of floppies.   5

     b) Explain characteristics of CRT Monitor.   5

     c) What are the advantages and disadvantages of LCD monitor.   5

     d) Write short note on Keyboard.   5

     e) Explain following terms related to hard disk: 5

        i)   Track

        ii)   Sector

        iii)   Cylinder

3. Solve any **four** sub-questions.

    a) What is Modem and state its Necessity?   5

    b) Explain working of SMPS with block diagram.   5

    c) Explain block diagram of DVD.   5

    d) List the different keys used in keyboard.   5

    e) What is instruction level parallelism?   5

4. Solve any **four** sub-questions.

    a) Write a short note on SCSI.   5

    b) Write short note on Bluetooth   5

    c) State basic difference between PCI, PCI-X and PCI-E bus   5

    d) What is Cache Memory?   5

    e) Explain features of: 5

        i) IDE

        ii) Serial ATA

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