

**END SEMESTER / RETEST EXAMINATION, 2020****Semester: Fourth****Subject code: CO-405****Subject: Computer Hardware and Networking****Full Marks: 35****Duration: 2 hours****PART-A****MARK-12**

1. Fill in the blanks: 1x 4=4
- The chipset is divided into \_\_\_\_\_ and \_\_\_\_\_
  - CMOS stands for \_\_\_\_\_
  - \_\_\_\_\_ is the process of dividing the disk into tracks and sectors.
  - \_\_\_\_\_ is the default subnet mask for Class C Network.
2. Write true or false: 1X 4=4
- Dot Matrix printer is an example of impact printer.
  - A Browser does not require operating system to run.
  - DHCP stands for Dynamic Host Control Protocol.
  - A router is a Layer-3 device.
3. Choose the correct answer 1X4=4
- Which technological issue may not be caused due to Virus ?
    - CMOS battery goes down
    - The Computer slows down
    - Hard disk is crushed.
    - Some files are missing
  - What is the function of Network Interface Cards?
    - connects the clients, servers and peripherals to the network through a port
    - allows you to segment a large network into smaller, efficient networks
    - connects networks with different protocols like TCP/IP
    - boost the signal between two cable segments or wireless access points
  - A device that connects networks with different protocols -
    - Switch
    - Gateway
    - Hub
    - Proxy Server
  - Which one is an example of Network OS ?
    - DOS
    - Palm-OS
    - Windows 98
    - Linux

**PART-B***Answer any four questions from( 4-8)* $2 \times 4 = 8$ 

- Differentiate between preventive maintenance and corrective maintenance.
- Name the major components of a motherboard.

6. State the function of SMPS and UPS.
7. Describe the different types of memory available in a PC.
8. Explain Mail server , DHCP and DNS .

*Answer any Five questions from (9-14)*

3 × 5= 15

9. Explain the booting sequence of a computer.
10. Differentiate between Switch and Router.
11. Define the process of sharing a file or a printer between two systems in a LAN.
12. Explain the process of create partitions on a hard disk.
13. Explain how inkjet and laser printers are different in their working principle.
14. What do you mean by Cross cable and Straight through cable. How they are connected to RJ45 connector ? Explain with a suitable diagram .

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