

2054

**B. Voc. (Hardware and Networking)
Second Semester**

HWN-204: Computer Hardware and Trouble Shooting

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 9 (Unit-5) which is compulsory and selecting one question each from Unit 1-4.

x-x-x

UNIT-1

- Q1. Explain diagnostic, trouble shooting and repair tools associated with keyboards. (8)
- Q2. What is trouble shooting. Explain the elements of trouble shooting and its process. (8)

UNIT-2

- Q3. Explain the Hard Disk tools:
- a) error checking
 - b) disk fragmentation
 - c) virus scan
 - d) Formatting a hard disk from DOS windows (4*2=8)
- Q4. Define a computer monitor. How can we maintain and troubleshoot a monitor (8)

UNIT-3

- Q5. Define microprocessor and its various performance factors. Also explain the various modes and instruction set associated with it. (8)
- Q6. a) Write the difference between the Impact and Non-Impact printer.
- b) what are common features of Laser printers and setting preferences of laser printer. (2x4=8)

UNIT-4

- Q7 Explain SMPS and its various components. Write the troubleshooting process for SMPS. (8)
- Q8. Explain motherboard and its types, processor sockets and slots. (8)

UNIT-5

- Q9 a) What is breakdown and breakthrough of mouse and keyboard.
- b) What is Virtual FAT and NTFS
- c) Write a note on Monitor Resolution and dot pitch
- d) AC-DC Voltage conversion in power supply (2x4=8)

x-x-x