

**1058**

**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. 1 which is compulsory and selecting one question from each Unit.

x-x-x

- I. Write a note on the following terms: 8
- a) Optical mouse
  - b) Monitor Resolution
  - c) Impact and Non-impact printer
  - d) FAT (4x2)

**UNIT – I**

- II. Define trouble shooting and why we need it. Also, explain the general trouble shooting process. (8)
- III. For a mouse, explain how we can perform the following:-
- a) Maintenance
  - b) Troubleshooting a problem (8)

**UNIT – II**

- IV. What is a computer monitor? How you can maintain a monitor, write the steps. (8)
- V. What is a Hard disk? Explain the construction of Hard disk with an appropriate diagram. (8)

**UNIT – III**

- VI. Explain inkjet printer and its features. How you can maintain an inkjet printer? (8)
- VII. Define microprocessor; also explain the following terms related to it:
- a) Clock rate
  - b) System bus
  - c) Cache memory
  - d) Instruction pipeline (4x2)

**UNIT – IV**

- VIII. Explain motherboard and its different parts. How you can troubleshoot a motherboard? (8)
- IX. What is SMPS and explain its different parts. Write the troubleshooting procedure of SMPS? (8)

x-x-x