

1129

**B. Voc. (Hardware and Networking)****First Semester****HWN-104: Network Fundamentals****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 short note on the following:-

- a) OSI Reference Model
- b) LAN/WAN/MAN
- c) IEEE Standard 802.5 Token Ring
- d) NIC

(4x2)

**UNIT – I**

- II. Explain Peer to Peer and Client -Server network models. (8)
- III. Explain various network topologies with their diagrams. (8)

**UNIT – II**

- IV. Explain TCP/IP model and state the function of its different layers. (8)
- V. What is a transmission media? Explain guided and unguided media. (8)

**UNIT – III**

- VI. What are networking devices? Explain any four of them. (8)
- VII. Write a note on the following networking protocols:
  - a) SMTP
  - b) HTTP
  - c) Telnet
  - d) DNS(4x2)

**UNIT – V**

- VIII. What do you mean by IP Address? Discuss different classes of IP Address? (8)
- IX. Describe the tasks involved in user account management on a system. (8)

x-x-x