

Exam Code: 1307
Sub. Code: 9232

2031
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. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short note on the following:-

- a) Need of Computer network
- b) Discuss Infrared Media
- c) Differentiate between SFTP and SMTP
- d) Configuration of IP Address? (4x2)

UNIT – I

II. Discuss various advantages and disadvantages of computer networks. (8)

III. Write short note on:-

- a) Peer to peer network model
- b) Server
- c) Mesh Topology
- d) Network Protocols (4x2)

UNIT – II

IV. Draw a diagram of TCP/IP model and discuss every layer in detail. (8)

V. Discuss various Network standards in detail. (8)

UNIT – III

VI. Draw and discuss the frame format of IEEE Standards 802.6 for Distributed Queue Dual Bus. (8)

VII. Discuss various HUB and Repeaters in detail. (8)

UNIT – IV

VIII. Discuss the concept of User account and Password security in User Management. (8)

IX. Write short note on:-

- a) MAC
- b) NIC (4x2)

x-x-x