

Exam Code: 1307

Sub. Code: 9537

1128

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. Attempt the following:-

- a) Mesh Topology
- b) Guided Media
- c) FTP
- d) MAC Address

(4x2)

UNIT – I

II. What is network? Explain LAN, WAN and MAN in detail.

III. Write Short notes on following:

- a) Client/Server network
- b) Bus Topology
- c) Servers
- d) Network Protocols

(4x2)

UNIT – II

IV. Explain TCP/IP model along with the functions of its different layers.

(8)

V. What is transmission media? Explain any two unguided media.

(8)

UNIT – III

VI. Write a note on the following:-

- a) Switch
- b) Routers
- c) Token Bus
- d) IEEE Standards

(4x2)

P.T.O.

(2)

- VII. What are networking protocols? Explain various types of protocols used in networking. (8)

UNIT - IV

- VIII. What is IP address? Explain the format of IP address and classes of IP address. (8)

- IX. Explain the concept of NIC with working principle. (8)

x-x-x