Exam. Code: 1307 Sub. Code: 9222

2123

B. Voc. (Hardware & Networking)

1st Semester

HWN-104: Network Fundaments

Time allow	ed: 3 Hours			107.	THEIWO	11
NOTE:	Attempt	five	quartions	i 1	, , ,	

Max. Marks: 40

Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

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- Write short notes on the following:-I.
 - (a) LAN/WAN/MAN
 - (b) TCP/IP model
 - (c) Radiowaves and Microwaves
 - (d) MAC Address

 (4×2)

UNIT-I

- Define network topology. Explain various network topologies with diagrams. (8) II.
- III. Explain the following:-
 - Client/server and peer-to-peer network models
 - Server and its types (b)

 (2×4)

UNIT - II

- Define transmission media. What are its types? Explain guided transmission media IV. (8) with diagrams.
- Explain OSI reference model with diagram. What are the functions of different V. (8) layers of OSI reference model?

UNIT - III

- Explain the following networking protocols:-VI.
 - FTP (a)
 - Telnet (b)
 - (c) HTTP

(d)

DHCP

 (4×2)

Define network devices. Name various network devices. Explain any four network VII. (8) devices.

UNIT - IV

(8) Define NIC. Explain working principles of NIC. VIII.

Define IP address. Explain format and different classes of IP address. (8) IX. _*_*_*_