

Exam.Code:1312

Sub. Code: 9862

1058

B. Voc. (Hardware and Networking)

Sixth Semester

HWN-603: Wireless Communication and Networking

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 notes on the following:-

- a) Packet Ratio
- b) Cordless telephone system
- c) Wireless Data Services.
- d) Wireless LAN

(4x2)

UNIT – I

II. What is mobile Wireless communication system? Explain 2nd Generation cellular networks in detail.

(8)

III. Explain the following:-

- a) Bluetooth & Personal Networking
- b) Paging System

(2x4)

UNIT – II

IV. Write short notes on following:-

- a) Allocation of Spectrum
- b) Cell Splitting

(2x4)

V. What is multiple access technique for wireless communication? Explain the concept of FDMA & TDMA in brief.

(8)

UNIT – III

VI. What is the difference between Wireless & Fixed telephone networks? Discuss fixed network transmission hierarchy in brief.

(8)

VII. Explain the following:-

- a) IS-95 CDMA risers channel
- b) Traffic routing in wireless network

(2x4)

P.T.O.

(2)

UNIT - IV

- VIII. Explain the concept of historical overviews of the land industry & evolution of the wan industry. (8)
- IX. What is orthogonal frequency division multiplexing? Discuss the basic principles of orthogonality single verses multichannel systems. (8)

x-x-x