

1059

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. Explain the terms below:-

- a) Bluetooth and PAN
- b) SDMA
- c) W-CDMA
- d) Hyperlink

(4x2)

UNIT – I

II. What do you mean by Wireless Communication System? Discuss various components of Wireless Communication System. (8)

III. Discuss the major differences between 2nd generation cellular network and 3rd generation cellular network. (8)

UNIT – II

IV. Discuss the concept of cellular system design in detail (8)

V. What do you mean by multiple accesses? Explain the concept of FDMA and TDMA.

UNIT – III

VI. Differentiate between Wireless and Fixed telephone network in detail. (8)

VII. Discuss the concept of GPRS in detail. (8)

UNIT – IV

VIII. Draw block diagram of Orthogonal Frequency Division Multiplexing and explain its units in detail. (8)

IX. Write Short note on:-

- a) Hyper LAN-2
- b) IEEE 802.11

(8)

x-x-x