

2072

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

x-x-x

I. Answer the following:-

- a) How Cordless telephone systems work?
- b) Discuss cell splitting.
- c) Explain traffic routing in wireless networks.
- d) Explain the evolution of WAN industry.

(4x2)

UNIT - I

II. What are wireless communication systems? Discuss various wireless communication systems. (8)

III. Discuss mobile wireless communication systems in detail. (8)

UNIT - II

IV. What do you mean by multiple access technique in wireless communications? Explain FDMA and TDMA in detail. (8)

V. What is cellular system? How spectrum is allocated in cellular system? (8)

UNIT - III

VI. Explain the development of wireless networks. Discuss fixed network transmission hierarchy and traffic routing. (8)

VII. Explain wireless data services and short messaging service in GPRS. (8)

UNIT - IV

VIII. Explain MAC layer wireless ATM and Hyper LAN2. (8)

IX. Define orthogonal frequency division multiplexing and differentiate between single versus multichannel systems. (8)

x-x-x