

2055

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

1. (a). What is FDMA? (2)
- (b). What is compression technique. (2)
- (c). What is trucking? (2)
- (d). What is ATM? (2)

UNIT-I

2. What is radio communications? Explain its technical details and its limitations. (8)
3. Compare the differences between second generation third generation wireless networks. (8)

UNIT-II

4. What is spectrum? How it is used for communication? Explain the process of allocation of spectrum at national level. (8)
5. How to identify the capacity of cellular system? What are various design techniques to optimize the capacity of cellular system? (8)

UNIT-III

6. What is Wireless Networking? Explain its advantages over wired network. (8)
7. What is WAN? Explain the infrastructure required to support at mobile environment. (8)

UNIT-IV

8. Explain historical achievements of LAN and WAN industry. (8)
9. What is multiplexing? Explain OFDM block diagram. (8)

x-x-x