

PART — C
(Maximum marks : 60)

(Answer *one* full question from each unit. Each full question carries 15 marks.)

UNIT — I

- III (a) Explain the operations of cellular system with the help of a diagram. 10
(b) Write short notes on frequency reuse. 5

OR

- IV (a) Explain the advantages of CDMA for cellular network and its design considerations. 8
(b) Describe different multiple access techniques. 7

UNIT — II

- V (a) Discuss mobile IP and its operations with the help of a diagram. 9
(b) List the advantages of WLL over wired subscriber loop. 6

OR

- VI (a) List and explain different ways of classifying satellite orbits. 9
(b) Draw the block diagram of wireless application protocol architecture. 6

UNIT — III

- VII (a) List and define 802.11 services. 10
(b) Describe about Infrared LAN. 5

OR

- VIII (a) List the requirements for Wireless LAN. 10
(b) Differentiate between MAC address and an LLC address. 5

UNIT — IV

- IX (a) Discuss Bluetooth applications and architecture. 12
(b) Give short notes on Scatternet and Piconet. 3

OR

- X (a) Discuss IEEE 802.15 architecture for Wireless Personal Area Networks. 9
(b) Write short notes on wireless sensor networks. 6