C 60580

(Pages : 2)

EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, APRIL 2014

IT 09 801 – MOBILE COMMUNICATION SYSTEMS

Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. What is polling?

2. What are the drawbacks of CDMA?

3. Which types of different services does GSM offer?

4. Define 802.11 protocol.

5. Define snooping of TCP.

$(5 \times 2 = 10 \text{ marks})$

Part B

Answer any four questions.

6. Define TDMA with its limitations.

7. What are the features of TETRA?

8. Mention the features of Bluetooth technology.

9. What is the difference between TCP and UDP?

10. What is least interference routing?

11. State the functionality of WAP.

$(4 \times 5 = 20 \text{ marks})$

Part C

Answer all questions.

12. (a) Discuss about Satellite communications with its parameters.

Or

(b) What is Guard space and how it is realized between users in CDMA?

13. (a) Explain the following : (i) DECT ; (ii) MIT 2000.

Or

(b) Discuss about Cordless systems and WLL with its limitations.

Turn over

14. (a) Write notes on the following : (i) Spread Spectrum LANs ; (ii) Adaption protocol.

                                        Or

     (b) Bring out the salient features of the IEEE 802.11 protocol and explain.

15. (a) Explain in detail about mobile TCP.

                                        Or

     (b) Define IPv6. What are the advantages does the use of IPv6 offer for mobility?

                                                        (4 × 10 = 40 marks)