



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc.DEGREE EXAMINATION – COMPUTER SCIENCE

SIXTH SEMESTER – APRIL 2019

16UCS6MC01– WIRELESS COMMUNICATION NETWORKS

Date: 04-04-2019
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL the Questions

(10x2=20 marks)

1. What is cochannel cells?
2. Define Picocells
3. Write any two features of CDMA
4. What do you mean by forward and reverse channel?
5. What is WAP?
6. Define i-Mode
7. What is Bluetooth?
8. What is WLAN?
9. Mention any two application of Home Network?
10. What is Mobile node?

PART-B

Answer ALL the Questions:

(5x8=40 marks)

11. a. Compare Ad Hoc and infrastructure Network Topologies

(or)

b. Write short note on Architectural issues in Handoff.

12. a. Explain GSM Services

(or)

b. Discuss CMDA Forward channel with neat diagram.

13. a. Write about the overview of SMS operation.

(or)

b. Explain the following (i) Independent Mobile data (ii) Shared Mobile data

14. a. Explain General MAC Frame Format

(or)

b. Briefly explain standards of IEEE802.11

15. a. Write short note on IP packet delivery

(or)

b. Explain (i) IPV6 (ii) cellular IP

PART-C

Answer any TWO Questions:

(2x20=40 marks)

- 16. a. Discuss about cell fundamentals in detail
 - b. Explain about the mechanism to support a mobile environment
- 17. a. Give a brief note on Mobile application protocol.
 - b. Explain MAC Management sub layer of IEEE 802.11
- 18. a. Explain snooping TCP and mobile TCP in mobile transport layer.
 - b. Give a brief note on Agent advertisement and Agent discovery in mobile IP

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