



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - COMPUTER SC.

SECOND SEMESTER – APRIL 2013

CS 2812 - MOBILE COMPUTING

Date : 02/05/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL questions

10 X 2=20

1. What is full duplex?
2. Give any two uses of GSM-rail.
3. What is a piconet?
4. Give the four different network types of BRAN.
5. Define Care of address.
6. Write the purpose of reverse tunneling.
7. List out mechanisms of the transmission control protocol that influences the efficiency of TCP in a mobile environment
8. What is the reason for a packet loss in a fixed network?
9. List out the different type of classes of transaction services.
10. What is session protocol in WAP?

PART-B

Answer All questions

5 X 8=40

- 11 a) Describe about MAC scheme to solve hidden terminal problem and exposed terminal problem.
(OR)
b) List out the different type of orbits and give their advantages &disadvantages.
- 12a) Explain about the physical layer of IEEE 802.11
(OR)
b) List out two basic transmission technology and give their advantages and disadvantages.
- 13 a) Explain the following concepts in mobile IP (i) agent advertisement
(ii) optimization
(OR)
b) Describe about Hierarchical mobile IP- V6
- 14 a) What is Snooping? Discuss the approach of snooping in TCP.
(OR)
b) Discuss about the mobile TCP advantages and disadvantages.
- 15a) Discuss about wireless application environment (WAE) logical model.
(OR)
b) Discuss about WSP/B –establishment, suspension, resume and termination.

PART-C

Answer any TWO

2 X 20=40

16 a) Discuss the services offered by GSM.

b) What is broadcast system? Explain the transport mechanism of digital audio broadcasting.

17a) Explain about the elements of core protocol in Blue tooth.

b) List out three approaches of IP micro mobility and discuss their advantages and disadvantages.

18.a) Explain the technique used in Indirect TCP with diagram.

b) Discuss the components and interface of the WAP architecture.
