

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

SECOND SEMESTER – APRIL 2010

CS 2812 - MOBILE COMPUTING

Date & Time: 19/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL questions

10 x 2=20

1. Define Burst.
2. Write short note on GPRS.
3. What is a beacon?
4. Give the four different network types of BRAN.
5. Define Encapsulation.
6. Write the difference between home agent and foreign agent.
7. What is slow start in TCP?
8. Write any two advantages of Time out freezing.
9. List out the different type of classes of transaction services.
10. Draw the primitive which is used to send a datagram in WDP?

PART-B

Answer All questions

5 x 8=40

- 11 a) What is GSM? Explain their services.
(OR)
b) List out the different type of orbits and give their advantages &disadvantages.
- 12a) List out two basic transmission technology and give their advantages and disadvantages.
(OR)
b) Draw HIPERLAN2 reference model and explain the handovers and operation mode of HiperLan2.
- 13 a) Define all the entities and terminology used in mobile IP
(OR)
b) Describe about Hierarchical mobile IP V6
- 14 a) What is Snooping? Discuss the approach of snooping in TCP.
(OR)
b) Write and explain the mechanisms used in Transmission control protocol.
- 15a) Explain about the primitives used in wireless datagram protocol
(OR)
b) Discuss about WSP/B –establishment, suspension, resume and termination.

PART-C

Answer any TWO

2 x 20=40

16 a) Compare the MAC schemes SDMA,TDMA,FDMA and CDMA.

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) What is an agent discovery? Discuss the methods used for it.

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

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