Reg. No. :

Question Paper Code: 31873

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2016

Seventh Semester

Information Technology

01UIT703 - MOBILE COMMUNICATION SYSTEMS

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What is handoff? List out its characteristics.

2. Distinguish between TDMA and CDMA.

3. Differentiate between WiFi and WiMax.

4. List any two advantages of Wireless LAN.

5. Define VOIP.

6. What is PDP?

7. What is Snooping TCP?

8. What is the basic purpose of DHCP?

9. What is iMode?

10. What are the elements of WAP?

PART - B (5 x 16 = 80 Marks)

11. (a) (i) What is a cellular system. Give their advantages and disadvantages. (10)

      (ii) Explain in detail about the motivation of wireless MAC. (6)

Or

   (b) Compare the mechanisms of SDMA, FDMA, TDMA and CDMA with their functions. (16)

12. (a) Explain in detail about the system and protocol architecture of IEEE 802.11. (16)

Or

   (b) Explain MANET in detail. (16)

13. (a) Explain in detail about the system architecture of GSM. (16)

Or

   (b) Explain the GPRS architecture in detail. (16)

14. (a) How can tunneling and encapsulation be performed in mobile IP? Explain. (16)

Or

   (b) (i) Write brief note on fast retransmit / fast recovery. (6)

      (ii) Explain transaction oriented TCP in detail. (10)

15. (a) Explain in detail the components and interfaces of the WAP architecture. (16)

Or

   (b) (i) Discuss the architecture of wireless telephony application in detail. (8)

      (ii) Explain about WML and WML script. (8)

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