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M.E. Second Semester (Electronics & Tele.) (Full Time) (C.G.S.- New)

13345 : Elective-II : Mobile Computing : 2 ENTC 5

P. Pages : 2

AW - 3909

Time : Three Hours

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Max. Marks : 80

Notes : 1. Answer **three** question from Section A and **three** question from Section B.
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Illustrate your answer necessary with the help of neat sketches.

SECTION – A

1. a) Discuss a TDMA frame format in GSM. **7**

b) Explain any one modulation and multiplexing technique used in 4G network. **7**

OR

2. a) Discuss the air parameters in GSM system. **7**

b) How is mobility and handoff strategies in WLAN. **7**

3. a) Explain adjacent channel interference in detail. **6**

b) Explain the dynamic channel Allocation system. Enlist its advantages over the FCA. **7**

OR

4. a) What is hybrid channel allocation? Explain its advantages. **7**

b) Discuss the various types of interferences in mobile environment. **6**

5. a) Explain the IBM proposal of location management. **7**

b) Explain the issues related to traffic calculation in mobility management. **6**

OR

6. a) Discuss location management for PCS network. **7**

b) Explain Columbia proposal for location management. **6**

SECTION – B

7. a) Explain in detail the TCP data control flow. **7**

b) Discuss the RMDP protocol. **7**

OR

8. a) Explain in detail RM-2 protocol. **7**

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b) Explain the I-TCP snooping protocol. 7

9. a) What are the different application environments available in operating system. 7

b) Explain the cache strategies for wireless networks. 6

OR

10. a) Discuss in detail the various mobile distributed application support. 7

b) Explain the mobile middleware and object Architecture. 6

11. a) Explain the security issues of mobile and wireless networks. 7

b) Explain the replay attacks and buffer overflow attacks in detail. 6

OR

12. a) Explain the security model with the help of following points. 7
i) Infrastructure related security.
ii) System level security.

b) Explain the IP security in detail. 6

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