

AQ – 2931

Second Semester M. E. (Electronics and Telecommunication) (CGS New)
Examination

MOBILE COMPUTING

Paper - 2 ENTC 5

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Separate answer book must be used for each section in the subject Geology, Engineering material of civil branch and separate answer-book must be used for Section A & B in Pharmacy and Cosmetic Tech.
(2) Answer **Three** questions from Section A and **Three** questions from Section B.
(3) Due credit will be given to neatness and adequate dimensions.
(4) Assume suitable data wherever necessary.
(5) Illustrate your answer necessary with the help of neat sketches.

SECTION A

1. (a) Discuss in detail the air specification standards of 3G system in mobile. 7
(b) How is mobility and hand off managed in WLAN ? 7

OR

2. (a) Explain any one modulation and multiplexing technique used in 4G network. 9
(b) Discuss a TDMA frame format in GSM. 5
3. (a) Explain the fixed channel Allocation system. Discuss its advantages. 7
(b) Explain Adjacent channel Interference. 6

OR

4. (a) Explain various types of interferences in mobile environment. 7

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- (b) Discuss co-channel interference. 6
5. (a) Explain the IBM proposal of location management. 7
- (b) Discuss the location management in CDDD. 6

OR

6. (a) Discuss the location management for PCS network. 7
- (b) Explain the Columbia proposal for location management. 6

SECTION B

7. (a) Explain in detail the wireless TCP protocol. 7
- (b) Discuss the RMDP protocol in brief. 7

OR

8. (a) Discuss the evolution of mobile ID. 7
- (b) Explain the I-TCP snooping protocol. 7
9. (a) Discuss the RPCU in detail. 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 middle ware and object architecture. 6
11. (a) Explain the security model with the help of following points :—
- (i) Infrastructure related security.
- (ii) System level security.

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|---|---|
| (iii) Policy based security. | 9 |
| (b) Differentiate between the mobile virus and mobile worm. | 4 |

OR

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| 12. (a) Explain the AAA protocols in detail, | 6 |
| (b) Explain the replay attacks and buffer overflow attacks in detail. | 7 |



