

Roll No. :

Total No. of Questions : 9]

[Total No. of Pages : 3

3336

**B.Tech. (CSE) 6th Semester (Supplementary)
Examination, July-2021
(G Scheme)**

**MOBILE AND WIRELESS COMMUNICATION
Paper-ESC-CSE-308-G**

Time : Three Hours]

[Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

*Note :- Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory
All questions carry equal marks.*

1. Briefly explain the following terms :

(a) Modulation

(b) Wimax

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(1)

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P.T.O.

- (c) DHCP
 - (d) Wireless local loop
 - (e) File system
- 3×5=15

Unit-I

2. Explain Wireless Communication System with block diagram. 15
3. (a) Differentiate between FDMA and TDMA.
 (b) Write a short note on Broadcasting techniques. 7½, 7½

Unit-II

4. Describe the protocol architecture of IEEE 802.11 in detail. 15
5. Explain the following :
 - (a) GSM
 - (b) Bluetooth7½, 7½

Unit-III

6. What is Mobile IP ? Explain its goals. Also explain about IP packet delivery. 15

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7. (a) What do you understand by Snooping TCP ? Explain in detail.
 (b) Explain operation of mobile ad hoc networks. 7½, 7½

Unit-IV

8. What do you mean by GEO, LEO and MEO ? Describe how these satellites can be used for mobile communication. 15
9. Explain the following :
 - (a) HTML
 - (b) Wireless Transaction Protocol7½, 7½

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