

**322849(22)**

**B. E. (Eighth Semester) Examination,**

**Nov.-Dec. 2021**

**(New Scheme)**

**(CSE Engg. Branch)**

**WIRELESS NETWORKS**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 28***

***Note : Attempt all questions. Part (a) of each question is compulsory and carrying 2 marks each and attempt two parts from (b), (c) and (d) carrying 7 marks each.***

1. (a) What is the difference between wireless network vs. conventional network.

2

- (b) Explain difference generation of wireless networks. 7
- (c) Write short notes on : 7
- (i) Multipath propagation
  - (ii) Channel model
2. (a) What is transmission error? 2
- (b) Write short notes on : 7
- (i) MPSK
  - (ii) GMSK
- (c) Explain Bandpass transmission technique for mobile Radio. 7
3. (a) What is cell Area? 2
- (b) Discuss the two important issue in mobility management. 7
- (c) Explain briefly the following terms of cellular mobile system. 7
- (i) Reuse frequency
  - (ii) Reuse distance
  - (iii) Co-channel and adjacent channel interference
4. (a) What do you mean by Hardoff. 2

- (b) Compare FDMA, TDMA and CDMA in terms of transmission technique. 7
- (c) What do you mean by CSMA technique explain it. 7
5. (a) What is Mobile IP? 2
- (b) What is Ad-hoc Network? Explain it. 7
- (c) What do you understand by wireless application protocol (WAP)? 7