

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Wireless Networking

Subject Code: 5TE01WNT1

Branch: M.Tech (CE)

Semester: 1

Date: 29/12/2015

Time: 10:30 To 01: 30

Marks: 70

Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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SECTION – I

- Q-1 Attempt the Following questions 07**
- a. Which Modulation technique used in GSM?
 - b. Why out of band of radiation is an important issue in designing modulation scheme?
 - c. What is the purpose of guard time?
 - d. What are the types of diversity?
 - e. What is the difference between the access technique of IEEE802.11a and IEEE802.11b?
 - f. Explain about hidden terminal problem.
 - g. Define RFID.
- Q-2 Attempt all questions 06**
- a. Compare FDMA, TDMA and CDMA. 06
 - b. What is the Doppler spectrum and how can one measure it? 04
 - c. Compare adhoc and infrastructure topologies. 04
- OR**
- Q-2 Attempt all questions**
- a. Discuss two ray model for mobile radio environments 04
 - b. Define Mobile IP. Explain Agent Discovery, Registration and Data Transfer. 06
 - c. Compare single hop and multihop networks topologies 04
- Q-3 Attempt all questions**
- a. Define Spread Spectrum. Explain Different methods of Spread Spectrum. 07
 - b. Discuss Bluetooth topology and explain Bluetooth Protocol Stack. 07

OR



