

B-Tech-sem - ~~VII~~ VII, (2014 course), E&TC
Winter-2018

B. Tech. Sem -VII (E & TC Engg.) (2014 COURSE) (CBCS) :
WINTER - 2018

SUBJECT : MOBILE AND BROADBAND COMMUNICATION

Day : Wednesday
Date : 28/11/2018

W-2018-2598

Time : 02.30 PM TO 05.30 PM
Max. Marks : 60

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q.1 Explain packet switched and circuit switched data on cellular network. (10)

OR

What is mobile and personal communication? Explain mobile and wireless devices. (10)

Q.2 What is necessity of wireless network? What are uses of WLAN? (10)

OR

Write a detail note on : IEEE 802.11 (10)

Q.3 Compare traditional TCP and indirect TCP. (10)

OR

What are prerequisites of mobile ad hoc networks? (10)

Q.4 List the ISDN standards and explain them in detail. (10)

OR

Explain ISDN switching techniques and compare them with respect to bit rate simplicity and complexity. (10)

Q.5 Explain B-ISDN standards and services. (10)

OR

What are the business and residential requirements of B-ISDN? (10)

Q.6 Explain signal and system hierarchy of B-ISDN protocols. (10)

OR

Write a note on 'SONET'. (10)

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