

**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.
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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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