

B. TECH. SEM -VII (E & TC ENGG.) (2014 COURSE) (CBCS) :

SUMMER - 2018

SUBJECT: MOBILE AND BROADBAND COMMUNICATION

Day: **Wednesday**
Date: **23/05/2018**

S-2018-2543

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figure to the right indicates **FULL** marks.
- 3) Assume suitable data if necessary.

Q.1 What is GSM? Explain basic structure of GSM network in detail (10)

OR

Compare circuit switching and packet switching for cellular communication services. (10)

Q.2 Explain protocol architecture of wireless LAN. (10)

OR

What is Hiper LAN? How it is an alternative for IEEE 802.11? explain (10)

Q.3 What is mobile IP? Explain its operations and operational principles. (10)

OR

What is mobile TCP? How it is different from I-TCP and SNOOP-TCP? Explain with its advantage and disadvantages. (10)

Q.4 Explain basic rate interface (BRI) and primary rate interface (PRI) in ISDN transmission structure. (10)

OR

Write down the I-series recommendation for ISDN. (10)

Q.5 Explain protocol reference model of B-ISDN. (10)

OR

Write down the applications of B-ISDN services in details. (10)

Q.6 Explain asynchronous and synchronous data transmission in B-ISDN. (10)

OR

Explain B-ISDN Protocol model in detail. (10)

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