

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VII Electronic & Telecommunication : WINTER- 2022
SUBJECT : MOBILE & BROADBAND COMMUNICATION

Day : Tuesday

Time : 02:30 PM-05:30 PM

Date : 13-12-2022

W-13369-2022

Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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- Q.1** What is GSM? Explain basic structure of GSM Network in detail. (10)
- OR**
- Q.1** What are the applications of cellular mobile communication? (10)
- Q.2** What is Hiper LAN? How it is an alternative for IEEE 802.11? (10)
- OR**
- Q.2** Compare Infrared network and Radio frequency Network. (10)
- Q.3** What is mobile TCP? How it is different from I-TCP and SNOOP-TCP? Explain its advantages and disadvantages. (10)
- OR**
- Q.3** Write a note on 'DHCP'. (10)
- Q.4** Explain basic rate interface (BRI) and primary rate interface (PRI) in ISDN transmission structure. (10)
- OR**
- Q.4** Explain ISDN protocol architecture. (10)
- Q.5** Explain B-ISDN architecture and services in detail. (10)
- OR**
- Q.5** Explain protocol reference model of B-ISDN. (10)
- Q.6** Explain asynchronous and synchronous data transmission in B-ISDN. (10)
- OR**
- Q.6** Write a note on SONET. (10)

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