

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)

B.Tech. (CSBS) Sem - VI : : SUMMER - 2022

SUBJECT : COMPUTER NETWORK

Day : Monday
Date : 13-06-2022

S-20469-2022

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Q.1 How do the headers and trailers attached when the data flows from the top layer to the bottom layer in the OSI reference model. **(10)**

OR

Q.1 Illustrate key requirements of wireless LAN in detail. **(10)**

Q.2 Explain Error detection and correction. Discuss the concept of redundancy in error detection and correction. **(10)**

OR

Q.2 What is the sliding window protocol? How is it used in noisy channels for error control? **(10)**

Q.3 Enlist and explain types of switching. Compare the performance of circuit switching and packet switching. **(10)**

OR

Q.3 Illustrate Unicast routing. Discuss the algorithms for routing in detail. **(10)**

Q.4 Explain the format of generic messages in HTTP. How security is provided for HTTP messages. **(10)**

OR

Q.4 Discuss SNMP protocol in detail. **(10)**

Q.5 Compare the different types of Multiplexing techniques. **(10)**

OR

Q.5 Describe different types of Spread spectrum techniques in detail. **(10)**

Q.6 Explain Network management with reference to Network Security with suitable example. **(10)**

OR

Q.6 List and explain the traditional cryptography concepts used for network security and privacy. **(10)**

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