

\*X10320\*

Reg. No. :

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## Question Paper Code : X 10320

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020 AND  
APRIL/MAY 2021

Fifth/Sixth Semester

Computer Science and Engineering CS  
8591 – COMPUTER NETWORKS

(Common to : Computer and Communication Engineering/Information  
Technology) (Regulations 2017)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. How are the subgroups of OSI model layers segregated by their functions ?
2. Differentiate Circuit-switched networks and Packet-switched networks.
3. List out the functions of the Data Link Layer.
4. Find the Hamming distance between two pair of code words : A

= 01011

B = 11110

5. Why IPv6 is preferred over IPv4 ?
6. Find the class of each address.
  - a) 11000001 10000011 00011011 11111111
  - b) 252.5.15.111
7. How congestion occurs in a network ?
8. What happens in the three way handshaking between any two devices ?
9. Define anonymous FTP.
10. What is the difference between IMAP and POP ?

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**Wenbin Ji**

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