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Question Paper Code: 54024

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Fourth Semester

Computer Science and Engineering

15UCS404 - COMPUTER COMMUNICATION AND NETWORKS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Which of this is not a network edge device?
(a) PC (b) Smartphones (c) Servers (d) Switch
2. Which one of the following task is not done by data link layer?
(a) framing (b) error control (c) flow control (d) channel coding
3. Automatic repeat request error management mechanism is provided by
(a) logical link control sublayer (b) media access control sublayer
(c) network interface control sublayer (d) none of these
4. The TTL field has value 10. How many routers (max) can process this datagram?
(a) 11 (b) 5 (c) 10 (d) 1
5. Which one of the following is a transport layer protocol.
(a) stream control transmission protocol
(b) internet control message protocol
(c) neighbor discovery protocol
(d) dynamic host configuration protocol

PART - B (5 x 3 = 15 Marks)

6. What are the categories of topology?

7. Difference between data word and code words.
8. Draw the frame relay Network.
9. Write the two categories of ICMP messages.
10. List the uses of cookies in web pages.

PART - C (5 x 16 = 80 Marks)

11. (a) Elaborate the OSI layers with suitable diagram. (16)
Or
(b) Elucidate Unguided media of transmission with neat diagram. (16)
 12. (a) Explicate CRC used in network with neat diagram. (16)
Or
(b) Discuss the three channelization protocols in detail. (16)
 13. (a) Explain the different categories of connecting devices. (16)
Or
(b) Describe the three categories of satellite. (16)
 14. (a) Illustrate structure of IPV6 with suitable diagram. (16)
Or
(b) Explain the two categories of ICMP in detail. (16)
 15. (a) Discuss the techniques to improve QoS. (16)
Or
(b) Illustrate the architecture of WWW with neat sketch. (16)
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