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Question Paper Code: 35402

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Fifth Semester

Electronics and Communication Engineering

01UEC502 – DATA COMMUNICATION AND NETWORKS

(Regulation 2013)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. What are the functions of Physical Layers?
2. Distinguish between ADSL and SDSL.
3. Tell the mechanism of stop and wait flow control.
4. Mention the advantage and disadvantage of stop and wait flow control.
5. Compare IPV4 and IPV.
6. Draw the general format of ICMP messages.
7. List the objectives of frame relay congestion.
8. Compare UDP and TCP.
9. What is the purpose of domain name system?
10. Distinguish between symmetric encryption and public key encryption.
11. Draw the general format of ICMP messages.
12. What is unicast routing?
13. Compare UDP and TCP.
14. What is the purpose of domain name system?
15. Distinguish between symmetric encryption and public key encryption.

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Discuss in detail about the various types of switching networks (10)
17. Explain in detail about IEEE 802.11 Bluetooth and its layers. (10)
18. Discuss about IGMP in detail. (10)
19. Explain the segment formats for TCP and UDP. (10)
20. Explain in detail about digital signal line. (10)