Reg. No. :

Question Paper Code: 49408

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

Elective

Electronics and Communication Engineering

14UEC908 - HIGH SPEED NETWORKS

(Regulation 2014)

Duration: 1:45 hour   Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. Differentiate Frame relay and X.25 packet-switching service.

2. Write the applications of AAL.

3. What are the characteristics of queue process?

4. What is single server queue?

5. What are the techniques to calculate the retransmission timer?

6. Define Allowed Cell Rate.

7. Give any two drawbacks of fair queue scheme.

8. Write the design goals for random early detection.

9. What is meant by a flow descriptor?

10. Draw the label format of MPLS.

11. Differentiate Frame relay and X.25 packet-switching service.

12. Write the applications of AAL.

13. What are the characteristics of queue process?

14. What is single server queue?

15. What are the techniques to calculate the retransmission timer?

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Explain about the IEEE 802.11 architecture in detail. (10)

17. Illustrate and explain the Four regions of Single Server Queuing model with
    neat sketches. (10)

18. Explain TCP congestion control in detail.. (10)

19. List out the components of ISA? Explain. (10)

20. Explain in detail about RTCP architecture and RIP protocol details (10)

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