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Question Paper Code: 39408

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

Elective

Electronics and Communication Engineering

01UEC908 - HIGH SPEED 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. 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. What is meant by cell in ATM?
12. What is the need for AAL?
13. List out the objectives of frame relay congestion control.

14. What is single server queue?
15. What is exponential RTO back off?

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Explain in detail about ATM adaptation layer. (10)
17. Write short notes on single server queue and multi server queue with a neat sketch. (10)
18. Describe the requirements and attributes of traffic and congestion control in ATM. (10)
19. Evaluate about the RED algorithm in detail. (10)
20. Formulate the operation of multi protocol label switching. (10)