Reg. No. : | | | | | | | | | | |

Question Paper Code: 59408

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

Elective

Electronics and Communication Engineering

01UEC908 - HIGH SPEED NETWORKS

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What is meant by cell in ATM?

2. Write the applications of AAL.

3. List out the objectives of frame relay congestion control.

4. What are the characteristics of queue process?

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. (a) Explain in detail about ATM adaptation layer. (16)

Or

(b) Describe about the wireless LANs applications, requirements and architecture of 802.11 with a neat sketch. (16)

12. (a) Write short notes on single server queue and multi server queue with a neat sketch. (16)

Or

(b) (i) Describe the effects of congestion in detail. (8)

(ii) Describe in detail about traffic management. (8)

13. (a) Describe the requirements and attributes of traffic and congestion control in ATM. (16)

Or

(b) Discuss about GFR traffic management in detail. (16)

14. (a) Evaluate about the RED algorithm in detail. (16)

Or

(b) What are the drawbacks of FIFO queuing discipline? Give a brief note on processor sharing. (16)

15. (a) Formulate the operation of multi protocol label switching. (16)

Or

(b) Draw and explain the architecture of RTP. Also discuss the RTP control protocol. (16)

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