Reg. No. :

Question Paper Code: 39408

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

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. When a router receives the RSVP *resv* message?

10. What is meant by a flow descriptor?

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Explain call control procedure in frame relay networks.   (8)

    (ii) Briefly describe the ATM architecture.   (8)

Or

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

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

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

Or

   (b) Explain the frame relay congestion control in detail.   (16)

13. (a) (i) Explain in detail about KARN's algorithm and window management.   (8)

    (ii) Explain TCP Congestion control in detail.   (8)

Or

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

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

Or

   (b) Explain the block diagram for integrated services architecture and give details about components.   (16)

15. (a) With neat diagram, describe the operation of RSVP. Also elaborate the reservation styles with example.   (16)

Or

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

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