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

Question Paper Code: 31468

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2016

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. Differentiate Frame relay and X.25 packet-switching service.
2. What is called a cell in ATM?
3. What is choke packet?
4. Write Little's formula and explain its use?
5. Give some ATM traffic related attributes.
6. Define peak cell rate.
7. What are the drawbacks of fair queuing?
8. What is Bit-Round Fair Queuing(BRFQ)?
9. State the label format of MPLS.
10. Define flow specification in RSVP.

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Explain the ATM cell with a suitable diagram and explain Generic Flow Control and Header error control. (8)

(ii) Explain varies ATM services. (8)

Or

(b) Explain the architecture of 802.11 in detail. (16)

12. (a) Explain the single- server and multi server queering models. (16)

Or

(b) Explain about frame relay congestion control. (16)

13. (a) Explain the five important window management techniques. (16)

Or

(b) Explain in detail ABR traffic management in detail. (16)

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

Or

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

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

Or

(b) (i) Describe the RTP protocol architecture. (8)

(ii) Describe the RTP data transfer protocol. (8)