

Reg. No. :

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**Question Paper Code: 49408**

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Elective

Electronics and Communication Engineering

14UEC908 - HIGH SPEED NETWORKS

(Regulation 2014)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

**(Answer any six of the following questions)**

- \_\_\_\_\_ is a virtual-circuit wide-area network that was designed in response to demands for a new type of WAN in the late 1980s and early 1990s.  
(a) X.25      (b) Frame Relay      (c) ATM      (d) None of the above
- Which is not the service of IEEE 802.11?  
(a) Association      (b) Reassociation      (c) Disassociation      (d) None of these
- \_\_\_\_\_ process counts the number of arrivals, each of which has an exponentially distributed time between arrival.  
(a) Kendall's notation      (b) Markov arrival  
(c) Poisson      (d) Little's law
- \_\_\_\_\_ can be applied in a logical connection used for connection oriented network to reduce traffic.  
(a) Back pressure      (b) Policing  
(c) Chock packet      (d) Implicit congestion signaling
- In Congestion, traffic descriptors are qualitative values that represent a  
(a) Data Protocol      (b) Data Flow      (c) Data Congestion      (d) Data Traffic

6. In ABR mechanism, \_\_\_\_\_ has feedback to the source concerning congestion.
- (a) Closed loop control (b) Open loop control  
(c) Both (a) and (b) (d) None of these
7. In Integrated Services, when a source makes a reservation, it needs to define a
- (a) Flow Control (b) Flow STCP  
(c) Flow Solution (d) Flow Specification
8. A router that supports DS policies is called as
- (a) DS node (b) DS interior node  
(c) DS boundary node (d) DS external node
9. \_\_\_\_\_ specifies a distinct reservation for each sender and provides an explicit list of senders.
- (a) Wild-card-filter style (b) Fixed-filter style  
(c) Shared-explicit style (d) Shared-implicit style
10. The parameters of QoS are
- (a) Jitter, bandwidth (b) Delay  
(c) Both (a) and (b) (d) None of the above

PART – B (3 x 8= 24 Marks)

**(Answer any three of the following questions)**

11. Explain ATM protocol architecture with neat diagram (8)
12. Illustrate and explain the Four regions of Single Server Queuing model with neat sketches. (8)
13. Explain TCP congestion control in detail.. (8)
14. List out the components of ISA? Explain. (8)
15. Write Short notes on (8)
- (i) RTP