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Question Paper Code: 59408

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

Elective

Electronics and Communication Engineering

01UEC908 - HIGH SPEED NETWORKS

(Regulation 2013)

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 in detail about ATM adaptation layer. (8)
12. Write short notes on single server queue and multi server queue with a neat sketch. (8)
13. Describe the requirements and attributes of traffic and congestion control in ATM. (8)
14. Evaluate about the RED algorithm in detail. (8)
15. Formulate the operation of multi protocol label switching. (8)