B.E(ETRX) Sem-VIII - May, 2010 18

Ist-half-AGJ-10 (a)

con. 3192-10. Data Communication & MetworkiyAN-3130

(3 Hours)

[Total Marks: 100

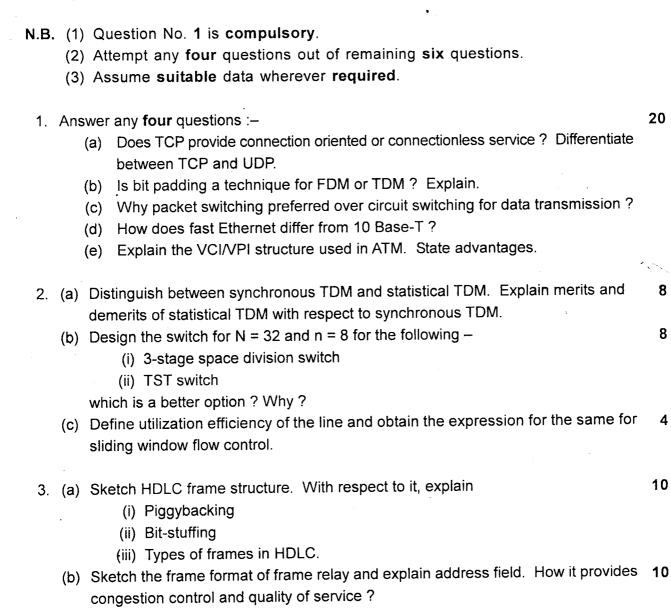
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4. (a) For the following block of 16 bites is 10101001 00111001

(c) Compare Go-back-N ARQ and selective repeat ARQ.

(iii) For the received data 10101111 11111001 0001 1101, obtain the receiver decision.

(ii) If there is no error in reception, show that the receiver detects the same.

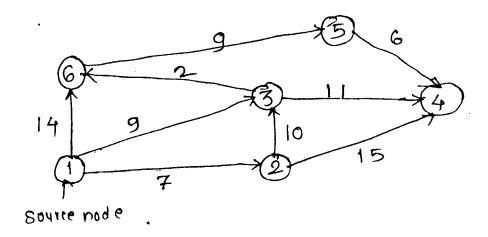
(i) Obtain checksum of 8 bits

(b) Explain point to point protocol in detail.

Con. 3192-AN-3130-10.

11 Bm to 2Pm

5. (a) State Bellman Ford and Dijkstra's Algorithm. Apply any one algorithm to the given 12 network and find the least cost path between the source node 1 to all other nodes.



- (b) How are congestion control and quality of service related? What are four general technique to improve quality of service?
- 10 6. (a) Explain ATM adoptation layer and ATM cell in detail.
 - (b) Compare the IEEE 802 protocol layer with the OSI model. 5
 - (c) Briefly explain the signaling structure supported by SS7.
- 7. (a) Draw block diagram of functional architecture of B-ISDN and explain B-ISDN channels and interface.
 - 10 (b) Write short notes on any two of the following:-
 - (a) CSMA/CD
 - (b) FDDI
 - (c) ADSL.