QP Code : 2562

Duration : 3 Hrs   Maximum Marks: 100

Note: i) Question no 1 is compulsory

   ii) Solve any four out of remaining questions

   iii) Figure to the right indicate full marks

Q.1   Attempt any **TWO** questions.   [20]

A   What is data transparency? Explain bit stuffing and de-stuffing.   [5]
B   What are various networking components? Give functioning.   [5]
C   What is the use of application layer? Explain   [5]
D   What are category cables? What are its type and applications?   [5]

Q.2   A   What is flow control? Explain GO-Back-N protocol.   [10]
       B   What are HDLC frame format? Explain   [10]

Q.3   A   What are various station types, configurations and modes of communication   [10]
            supported by HDLC protocol? Explain in brief.

       B   [10]

Q.4   A   Brief various fields in the TCP header format.   [10]
       B   Explain various scheduling mechanism: reservation, token passing and polling.   [10]

Q.5   A   What is IP address? What is Classful and classless addressing? Explain Classful   [10]
            addressing.
       B   Explain the difference between Dijkstra and Bellman-Ford algorithm with example.   [10]

Q.6   A   What is VLAN? What is the basis of membership in a VLAN? Explain the advantages.   [10]

       B   What is transmission impairment? Explain the causes and remedy   [10]

Q.7   Write a notes on any two.   [20]
A   IEEE802 project
B   SONET
C   CSMA/CA

QP-Con. 12340-15.

Course: B.E. (SEM. VII) (REV. -2007) (E&TC ENGG.)(Prog T4917)

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Correction:

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Q1) Attempt all questions   20marks(5 each)

Q3) B) What is QoS? Describe various technique to improve QoS.   10 marks

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Query Update time: 22/12/2015 12:03PM