Code: 9E05403d

MBA – IV Semester Regular & Supplementary Examinations, June 2012
DATA COMMUNICATION AND NETWORK ANALYSIS
(For students admitted in 2009-10 & 2010-11 only)

Time: 3 hours   Max Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1   (a)   What is the need for a protocol architecture and explain the OSI reference model
            with diagram?
    (b)   Define the delay analysis.

2   (a)   Define multiplexing. What are the three major multiplexing techniques? How does
            TDM combine multiple signals into one?
    (b)   Construct the hamming code for the bit sequence 10011101.

3   (a)   What are the main functions of the data link layer?
    (b)   What is the mechanism of sliding window flow control?

4   (a)   Briefly explain about virtual circuits.
    (b)   Write about centralize hierarchical methods.

5   (a)   Discuss the functions of the session layer.
    (b)   Explain about internet work fragmentation.

6   (a)   Explain the concept of public key method for data encryption.
    (b)   Briefly explain about virtual terminal protocols.

7   Briefly explain about the application layer.

8   (a)   What is the relationship between the ISDN layers and the OSI model layers?
    (b)   Write about inter net working derives.

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