

Code: 9E05403d

MBA IV Semester Regular & Supplementary Examinations September/October 2014

DATA COMMUNICATION & NETWORK ANALYSIS

(For students admitted in 2010, 2011 and 2012 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions

All questions carry equal marks

- 1 Explain briefly about the each layer in the OSI reference model and how this model is different from the TCP/IP model.
- 2 (a) Discuss briefly about the different guided transmission media.
(b) Compare circuit switching with packet switching.
- 3 (a) Explain in detail about the unrestricted stop and wait protocol.
(b) Explain briefly about one-bit sliding window protocol.
- 4 (a) Explain in detail about the virtual circuits.
(b) Discuss briefly about the hierarchical routing algorithm with a neat sketch.
- 5 (a) What are the primitives for simple transport service? Explain.
(b) Explain briefly about the flow control in transport layer.
- 6 (a) What are the various data encryption methods available? Explain.
(b) Write a short note on digital signatures.
- 7 (a) Explain in detail about the Domain name system.
(b) Discuss briefly about the electronic mail.
- 8 Explain the following in detail:
 - (a) ISDN services.
 - (b) Internetworking.
