



MBA IV Semester Supplementary Examinations May 2018

DATA COMMUNICATION & NETWORK ANALYSIS

(For students admitted in 2013 as a last chance)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) State the reasons for using layered protocols in network design.
(b) Explain OSI architecture in detail.
- 2 (a) Compare and contrast circuit switching and packet switching networks.
(b) Explain various types of transmission media, highlighting their merits and demerits.
- 3 (a) Explain any five responsibilities of data link layer in internet model.
(b) Explain stop and wait protocol using suitable diagram.
- 4 Explain any two network layer protocols in detail.
- 5 Explain transmission control protocol in detail.
- 6 (a) Differentiate symmetric and public key cryptography.
(b) Explain symmetric-key cryptography in detail.
- 7 (a) Explain domain name space in detail.
(b) Explain name-address resolution in detail.
- 8 Explain ISDN services in detail.
