

Code: 17E00406

MBA IV Semester Regular Examinations May 2019
DATA COMMUNICATION & NETWORK ANALYSIS
(For students admitted in 2017 only)

Time: 3 hours

Max. Marks: 60

All questions carry equal marks

SECTION – A

(Answer the following: 05 X 10 = 50 Marks)

- 1 Write a short note on various types of multiplexing.
OR
- 2 Explain OSI architecture in detail.
- 3 Explain Go-back-n protocol with suitable diagram.
OR
- 4 Explain RIP and IGMP routing protocols in detail.
- 5 Explain user datagrams format and also explain UDP checksum with one example.
OR
- 6 Explain in detail the various TCP congestion control mechanisms.
- 7 (a) Describe symmetric key distribution in detail.
(b) Explain HTTP with an example.
OR
- 8 Explain public key cryptography in detail.
- 9 Explain ISDN services in detail.
OR
- 10 Explain the terms with respect to WWW. Give suitable examples for each:
(i) Hypertext.
(ii) Static documents.
(iii) CGI.
(iv) HTML.

SECTION – B

(Compulsory Question, 01 X 10 = 10 Marks)

- 11 **Case study:**
 - (a) For each of the following four networks, discuss the consequences if a connection fails:
 - (i) Five devices arranged in a mesh topology.
 - (ii) Five devices arranged in a star topology (not counting the hub).
 - (iii) Five devices arranged in a bus topology.
 - (iv) Five devices arranged in a ring topology.
 - (b) When a party makes a local telephone call to another party, is this a point-to-point or multipoint connection? Explain your answer.
