Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

PGDCA (2018 Batch) (Sem.–2)
DATA COMMUNICATION AND NETWORKS
Subject Code : PDCA-204

M.Code : 50513

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

   a) What is analog communication?

   b) Name different types of multiplexing.

   c) Discuss briefly the concept of circuit switching.

   d) List the applications of Computer Networks.

   e) Enlist the types of sliding window protocols.

   f) Differentiate router and switch.

   g) Name any two transmission media.

   h) Why is IP address important?

   i) How flow control is carried out?

   j) Demonstrate the concept of flooding briefly.

SECTION-B

2. Explain the concept of error detection in Computer Networks.

3. What is meant by Network Hardware? Explain the role of Bridge.

4. Discuss token bucket congestion control algorithm.

5. What are the design issues of transport layer? Explain.

6. Explain the IEEE 802.4 standards.

SECTION-C

7. a) What is modulation? Explain.

   b) How TCP connection management is done? Explain.

8. Explain the features of seven layers of OSI model.

9. What is meant by distance vector routing? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.