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

Total No. of Questions : 09

B.Tech (IT)   (Sem.–4)
DATA COMMUNICATION
Subject Code : CS-206
M.Code : 56515

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS 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

Q1. Write briefly :

a) Explain in brief the term computer Network.

b) What are the two interfaces provided by protocols?

c) Define Error detection and correction.

d) What are the responsibilities of data link layer?

e) What are the responsibilities of Network Layer?

f) Differentiate between Packet and frame.

g) Explain the term TCP in brief.

h) Explain the term Pure ALOHA in brief.

i) Explain in brief about World Wide Web.

j) Explain in brief the term Network Security.

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SECTION-B

Q2   Write a detailed note on Network Hardware.

Q3   Write a detailed note on wireless transmission.

Q4   Write a brief note on channel allocation.

Q5   Explain in detail about transport services of transport layer.

Q6   Write a detailed note on DNS.

SECTION-C

Q7   Write a detailed note on seven-layer OSI architecture of ISO.

Q8   Write a detailed note on Data Link Layer Design Issues.

Q9   Write a detailed note on Link State Routing.

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.