Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 08

M.Tech (CSE Engg.) Big Data (Campus)   (Sem.–1)
ADVANCED COMPUTER NETWORKS
Subject Code : CSB-209
M.Code : 51087

Time : 3 Hrs.   Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :
1.Attempt any FIVE questions out of EIGHT questions.
2.Each question carries TEN marks.

1. Why do we need network standards? Discuss various protocols standards defined by IEEE 802.

2. What is Logical addressing in Network Layer? How this addressing is different from MAC layer addressing?

3. Discuss how the routing provides the Addresses to local devices, global network nodes and processes running within a global node.

4. Explain how congestion control and quality of service is implemented in Transport layer.

5. Define

    a) SNMP

    b) ICMP

6. a) What is Mobile IP in wireless communication? How the IP addresses are assigned to mobiles?

    b) Explain RIP protocol and how it works.

7. a) List some security attacks on AD HOC wireless networks?

    b) How DHCP server dynamically assigns an IP address to network?

8. Give the applications of AD HOC wireless networks. Discuss the issues in designing a routing protocol for AD HOC wireless networks.

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.