Roll No. | | | | | | | | | | | |

Total No. of Questions : 08

Total No. of Pages : 01

M.Tech(ECE) (Sem.–1)

ADVANCED COMMUNICATION NETWORKS

Subject Code : MTEC-101-18

M.Code : 75172

Date of Examination: 12-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWELVE marks.

1. Explain MPLS architecture and framework in detail.
2. Explain packet classification algorithms and flow Identification grid of tries.
3. Explain Differentiated Services architecture and frame work in detail.
4. Explain Leaky bucket algorithm and its properties in detail.
5. a) Compare IPV4 and IPV6. What is the future prospective of IPV6?

   b) What are band limited signals and also explain to calculate the maximum data rate of the channel?
6. Discuss the working and role of TCP/IP model in data communication.
7. Compare and differentiate Message switching, Circuit switching and Packet switching schemes.
8. Discuss the architecture of ATM network in detail. Also write down the bit wise pattern of ATM headers for both UNI and NNI cells.

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.

www.allsubjects4you.com