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

Total No. of Questions : 08

M.Tech.(ECE) (E-IV)   (Sem.–3)
INTERNETWORKING AND INTERNET PROTOCOLS
Subject Code : EC-522
M.Code : 36223

Time : 3 Hrs.   Max. Marks : 100

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

Q1.   Discuss in detail about LAN, WAN and MAN technologies.   20

Q2.   (a) Explain Token Ring technology in detail. Also list various advantages of token ring. 10

  (b) Discuss in brief about the history and scope of internet.   10

Q3.   (a) What is protocol standardization? Also explain the significance of it in detail.   10

  (b) Explain in detail about the application level internet connection.   10

Q4.   Discuss in detail about the universal identifiers. Also explain the three primary classes of IP addresses in detail.   20

Q5.   (a) Explain about the interconnection through IP gateway in detail.   10

  (b) Discuss in detail about the addressing conventions.   10

Q6.   Explain the protocol layering in detail. Also discuss about the various routing algorithms in internet working.   20

Q7.   (a) Discuss the gateway to gateway protocol in detail.   10

  (b) Explain the concept of IP fragmentation in brief.   10

Q8.   (a) Discuss about the reliable transactions and security on internet.   10

  (b) Explain in detail about the exterior gateway protocol.   10

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.