Exam. Code: 0917 Sub. Code: 6786

1078

B. Engg. (Computer Science and Engineering) 5th Semester

CS-501: Data Communication and Networks

Max. Marks: 50 Time allowed: 3 Hours Attempt five questions in all, including Q. No. 1 which is compulsory and NOTE: selecting atleast two questions from each Unit. _*_*_*_ I. Attempt the following: -List important features of GEO satellites. (a) What is NRZ-I encoding? (b) What is 10 Base 5? (c) What is ARPANET? (d) (5×2) Define Routing. (e) **UNIT-I** Compare and contrast circuit switching, virtual circuit switching, message II. switching and packet (Datagram) switching with suitable examples. (10)What is multiplexing? Describe various multiplexing methods with examples. III. (10)Explain and compare wired Ethernet LAN, wireless LAN and ATM LAN. (10)IV. **UNIT-II** Explain the working principles of ARP and RARP protocols with examples. (10) V. Compare the important features of ISDN and broadband ISDN. VI. (a) (5+5)Explain the important features of AAL. (b) Write short notes on the following: -VII. HDLC ARRANE (a) (5+5)(b) Bridges

**_*_