Define cyclic codes. Find the codeword C(X) using CRC for the information 1001 with b. generator 1011. (06 Marks)

Explain direct sequence spread spectrum with an example.

(08 Marks)

Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractige

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

(06 Marks)

Module-4 What is the need of Bit stuffing and Byte stuffing at Data link layer? Explain with example (08 Marks) for each. (08 Marks) Illustrate the working of CDMA with suitable example. b. (04 Marks) Explain three persistent methods of CDMA. Explain the three strategies used in CSMA/CA to avoid collision. (08 Marks) 8 Discuss three controlled access methods. (06 Marks) Draw three structures of HDLC frames. Briefly explain control field for S frame. (06 Marks) With a neat diagram of Ethernet frame, explain the seven fields. (08 Marks) List the goal of Fast Ethernet. Briefly explain the challenges in fast Ethernet about access (08 Marks) method. Explain the three reasons why CSMA/CD algorithm does not work in wireless LANS. (04 Marks) OR Explain the architecture of Bluetooth technology. (06 Marks) 10 Discuss briefly the operations of the cellular telephony. (08 Marks)

Explain the two kinds of services defined by IEEE 802.11 project

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