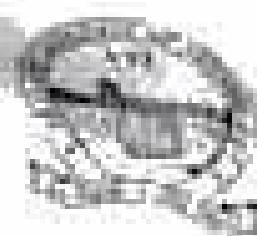




SCAN ME



VIT

Vellore Institute of Technology

SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING

Continuous Assessment Test – I
Winter Semester 2019-20

Duration: 90 Minutes

Programme: B.Tech

Course Name: Data Communication and Computer Networks

Max. Marks: 50

Course Code: ITE3001

Course Mode: CAL

Slot: A2 + TA2

PART – A

Answer all the questions (5 X 10 = 50)

1. When person A wants to talk to person B over telephone which type of switching will be used to connect themselves and person B wants to send a message to A over telephone then which type of switching will be used? Describe both the switching technique in detail.
2. Explain the different techniques used to convert bits into signals?
3. Identify the protocol architecture used in E-commerce applications and explain it. *Mod*
4. Calculate the checksum for a text of 9 characters ("Tanenbaum"). The receiver side recalculate the checksum and find whether is there any error in the transmission. *ASK
FSK
PSK*
5. A sender sends the 7 bit dataword 1111001. Compute the hamming code of 11 bit codeword such that C(11,7) at the sender side. *69 97 90 97*
Showcase the following cases at the receiver side.
a. Receiver receives the codeword without error
b. Receiver receives the codeword with an error

Pass hand

Handwritten
Binary Faculty