No. of Printed Pages : 4
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180835/170835/
120835/30835

3rd Sem. / Computer Engineering

Subject : Data Communication

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

(Course Outcome/CO)

Q.1 LAN stands for_____? (CO-1)

Q.2 ARPA stands for_____? (CO-2)

Q.3 PAM stands for _____? (CO-3)

Q.4 WDM stands for _____? (CO-4)

Q.5 What is protocol? (CO-2)

Q.6 Write any one name of errors. (CO-6)

Q.7 Define modem. (CO-3)

Q.8 Define Transmission time. (CO-5)

Q.9 What is data encryption? (CO-6)

Q.10 What is TDM? (CO-4)

SECTION-B

Note: Very Short answer type questions. Attempt any ten parts 10x2=20

Q.11 Define topology. (CO-1)

Q.12 Name the different types of network. (CO-1)

Q.13 What is Latency? (CO-2)

Q.14 Define Baseband transmission. (CO-2)

Q.15 What is Noise? (CO-3)

Q.16 Write advantages of data communication. (CO-4)

Q.17 Define Modulation. (CO-4)

Q.18 Write two advantages of co-axial cable. (CO-4)

Q.19 Define multi bit error. (CO-5)

Q.20 Describe flow integrity error. (CO-4)

Q.21 What is data transfer? (CO-5)

Q.22 Explain the term throughout. (CO-)

SECTION-C

Note: Short answer type questions. Attempt any eight questions. 8x5=40

Q.23 What are the advantages of distributed processing. (CO-1)

Q.24 What are the four fundamental characteristic of data communication system. (CO-1)

Q.25 Explain digital to analog conversion. (CO-2)

Q.26 What is guided media? Explain in brief. (CO-3)

Q.27 Explain briefly sin wave. (CO-2)

Q.28 Explain UTP with its types. (CO-3)

Q.29 Compare TDM with FDM. (CO-4)

Q.30 What is distributed processing? (CO-4)

Q.31 What do you mean by error correction? Explain the method to correct single bit error. (CO-5)

Q.32 What is the need of modulator? (CO-4)

SECTION-D

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.33 Describe simplex, half duplex, full duplex communication. (CO-1)

Q.34 Explain analog & digital data & signals. Write the difference between analog and digital Signals. (CO-2)

Q.35 Explain types of modulation with AM, FM, PM, & PCM. (CO-2)

Q.36 Discuss LAN, MAN and WAN in details. (CO-5)

(**Note:** Course outcome/CO is for office use only)