

- Q.24 Write Five difference between periodic signal and aperiodic signal.
- Q.25 Explain transmission impairment-attenuation distortion and noise.
- Q.26 Explain the performance parameters-bandwidth, throughput, latency and jitter.
- Q.27 Explain FDM.
- Q.28 Explain ASK, FSK, PSK.
- Q.29 Explain pulse code Modulation.
- Q.30 Explain twisted pair cable with its type.
- Q.31 Differentiate between forward error correction and retransmission.
- Q.32 How will the block parity to detect and double errors.
- Q.33 Explain the block parity to detect the double errors.
- Q.34 Explain the cyclic redundancy check.
- Q.35 Explain the components of data communication.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain multiplexing and its types.
- Q.37 Explain analog to analog conversion - AM, FM, PM.
- Q.38 Explain guided media and unguided media along with their type.

(1720) (4) 180835/170835/120835 /030835

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

3rd Sem / Branch : Computer Engg., IT
Sub.: Data Communication

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Periodic signal _____.
- Repeats its cycle periodically
 - Do not repeat
 - CRC
 - None of them
- Q.2 Which transmission impairment makes a signal weak?
- Noise
 - Attenuation
 - Jitter
 - Bandwidth

Q.3 Full form of PCM is _____.

- Parity Chemistry Module
- Pulse Code Module
- Pulse Code Modulation
- Periodic Code Module

Q.4 Which is not the guided media?

- Twisted pair cable
- Coaxial cable
- Optical Fiber
- Microwave

(1) 180835/170835/120835 /030835

- Q.5 Full form of TDM is _____.
- Twisted Division Multiplexing
 - Time Dual Multiplexing
 - Time Division Multiplexing
 - Time Division Microwave
- Q.6 Full form of CRC is _____.
- Cycle Reduce Check
 - Code Random Check
 - Cyclic Round Check
 - Cyclic Redundancy Check
- Q.7 Full form of LAN is _____.
- Land Area Normal
 - Local Around Network
 - Local Area Network
 - Local Aperiodic Network
- Q.8 Which is the name of topology?
- Frequency
 - Star
 - Phase
 - Noise
- Q.9 Full form of ASK is _____.
- Attenuation Shift Keying
 - Amplitude Secondary Keying
 - Asymmetric Shift Keying
 - Amplitude Shift Keying

(2) 180835/170835/120835
/030835

- Q.10 Double error means _____.
- One bit error
 - Two bit error
 - Three bit error
 - None of them

SECTION-B

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

- Q.11 Define data communication.
- Q.12 Define analog signal.
- Q.13 Define digital signal.
- Q.14 Define bandwidth.
- Q.15 Full form of DM is _____.
- Q.16 Name the transmission modes.
- Q.17 Define redundancy.
- Q.18 Define parity bit.
- Q.19 Write the type of errors.
- Q.20 Name of two types of parity bit.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain the network criteria.
- Q.22 Explain LAN, MAN, WAN.
- Q.23 Explain the distributed processing.

(3) 180835/170835/120835
/030835