

- Q.22 Explain the resistive transmitter with a diagram .
 Q.23 Discuss T.D.M Technique .
 Q.24 Describe frequency Shift keying .
 Q.25 What is the difference between A.M and F.M.
 Q.26 Describe various modes of data transmission in the telemetry system.
 Q.27 Explain wireline channels with their advantages.
 Q.28 Describe any one Pneumatic transmitter.
 Q.29 Describe the block diagram of the telemetry system.
 Q.30 Write a short note on transmission channels.
 Q.31 Write a short note on GPIB.
 Q.32 Discuss the current telemetry system with a diagram.
 Q.33 Discuss fiber optics communication.
 Q.34 Write a short note on inter bus .
 Q.35 Discuss LAN.

SECTION-D

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

- Q.36 Explain frequency shift keying in detail in Data Communication.
 Q.37 Describe the hydraulic transmitter with a suitable diagram .
 Q.38 Draw and explain the block diagram of PAM in detail

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4th Sem / Instrumentation & Control

Subject:- Industrial Communication/ Principles of Telemetry

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 In TDM _____ technique is used .
 a) Modulation b) Time Sharing
 c) Frequency Sharing d) None of these
 Q.2 PDPT diagram type transmitter is a _____
 a) Hydraulic Transmitter b) Electric Transmitter
 c) Pneumatic Transmitter d) None of these
 Q.3 Position telemeter system is a _____
 a) R.F Telemarketing
 b) Landline Telemarketing
 c) Both A & B
 d) None of these
 Q.4 The application of voltage telemetering systems in industrial plants is limited to distances up to about
 a) 100 meters b) 1 K.M
 c) 300 meters d) 2K.M

Q.5 U.S Government uses _____ band for unmanned vehicles.

- a) "L"
- b) "P"
- c) "S"
- d) None of these

Q.6 .The conversion of Analog signal into Digital signal is called the

- a) Decoding
- b) Encoding
- c) Quantization
- d) None of these

Q.7 F.M system operates at _____

- a) VHF
- b) MF
- c) VHF & UHF
- d) None of these

Q.8 GPIB operates in which I/O mode

- a) Parallel
- b) Serial
- c) Both A & B
- d) None of these

Q.9 T.D.M is used

- a) When the data to be transmitted is slow changing
- b) When the data to be transmitted has a small bandwidth
- c) When the data to be transmitted is slow changing and has a low bandwidth.
- d) When the data to transmit is fast changing and has a high bandwidth.

Q.10 GPIB has _____ bus signals .

- a) 18
- b) 20
- c) 22
- d) 24

SECTION-B

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

Q.11 The Ethernet frame consists of _____

Q.12 Exand PSK

Q.13 Is Protocol a set format & procedures ?

Q.14 The frequency of amplitude modulated wave is constant

Q.15 Expand P.C.M.

Q.16 What are Terminals or computer systems they are connected called ?

Q.17 An inductive transmitter is an electric transmitter

Q.18 Define jitter in data communication

Q.19 Is the Voltage Telemetry system a landline system ?

Q.20 Expand T.D.M.

SECTION-C

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

Q.21 Discuss the voltage telemetry system will its diagram .