

- 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

No. of Printed Pages : 4

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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

(140)

(4) 181545/121545/31545

(1) 181545/121545/31545

- 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 Analong 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 bandwith
- 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.

(2) 181545/121545/31545

- 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 .

(3) 181545/121545/31545