

- Q.24 Discuss F.D.M Technique.
- Q.25 Describe Phase shift keying.
- Q.26 Write a short note on GPIB.
- Q.27 Describe applications of telemetry system
- Q.28 Discuss Ratio telemetry system with diagram.
- Q.29 Describe any one Pneumatic transmitter
- Q.30 Write a short note on transmission channels.
- Q.31 What is data communications.
- Q.32 Write a short note on interbus.
- Q.33 Differentiate between A.M. and F.M.
- Q.34 Discuss Profinet.
- Q.35 Explain Radio link channels with its advantages.

SECTION-D

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

- Q.36 Draw and explain block diagram of PCM in detail.
- Q.37 Draw and Explain Hydraulic Transmitter.
- Q.38 Explain Fibre optic communication with suitable diagram.

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4th Sem / IC

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 Pneumatic system deals with _____.
a) Water b) Oil
c) Fluid d) Air
- Q.2 Voltage telemetering system is a _____.
a) R.F. Telemetering b) Land line telemetry
c) Both a & b d) None of these
- Q.3 _____ wave forms are called as line codes.
a) PAM b) PCM
c) PPM d) PWM
- Q.4 PDPT diagram type transmitter is a _____.
a) Hydraulic Transmitter
b) Electric Transmitter
c) Pneumatic Transmitter
d) None of these

- Q.5 F.M. system operate at _____.
 a) VHF b) MF
 c) VHF and UHF d) None of these
- Q.6 In TDM _____ technique is used.
 a) Modulation b) Time Sharing
 c) Frequency Sharing d) None of these
- Q.7 GPIB operates in which I/o mode.
 a) Parallel b) Serial
 c) Both a & b d) None of these
- Q.8 In _____ modulation, the amplitude of a carries signal is varied by a modulating signal, whose frequency is much lower than that of the carrier.
 a) F.M. b) A.M.
 c) PCM d) PAM
- Q.9 Network of networks known as _____.
 a) Intranet b) Internet
 c) WAN d) LAN
- Q.10 FDM is associated with _____ modulation.
 a) AM/FM b) FM/FM
 c) PCM/FM d) PAM/PCM

SECTION-B

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

- Q.11 Current Telemetry system is a land line system. T/F
- Q.12 Expand P.A.M.
- Q.13 The most common Hydraulic fluid is _____
- Q.14 Expand FSK.
- Q.15 Protocol is a set of formats & procedures. T/F
- Q.16 Terminals or computer systems that are connected together are called _____.
- Q.17 TDM is used when data is _____ changing.
- Q.18 Inductive transmitter is an electric transmitter .T/F
- Q.19 FM is less expensive than PAM. T/F
- Q.20 The frequency of amplitude modulated wave remains constant. T/F

SECTION-C

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

- Q.21 Discuss block diagram of telemetry system.
- Q.22 Define land line telemetry and its types.
- Q.23 Explain Inductive transmitter with diagram.