

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

Q.33 What is the multiplexing. Explain the TDM in details.

Q.34 Explain basic block diagram of telemetry system and explain each component.

Q.35 Explain the modulation and demodulation of signal using Amplitude shift keying.

Q.36 Write a short note on the following. (Any two)

a. Bleed types feed back

b. PAM

(40)

(4)

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4th Sem. / E.I

**Subject : COMMUNICATION AND TELEMETRY/
FUNDAMENTAL OF TELEMETERY**

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 What is the Bandwidth of F.M wave.

Q.2 The amplitude modulation has _____ sidebands.

Q.3 Expand the term PWM.

Q.4 In telemetry data can be transfer through wireless mode. (T/F)

Q.5 Write the modulation index of amplitude modulation.

Q.6 Expand the term FSK.

Q.7 How many sideband F.M wave have_____.

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- Q.8 Define modulation.
Q.9 Expand the term TDM.
Q.10 Define data communication.

SECTION-B

Note: Very Short answer type questions. Attempt any ten parts out of twelve questions. (10x2=20)

- Q.11 Define noise in the communication system.
Q.12 Write the advantages of FSK over ASK.
Q.13 Define current telemetry system.
Q.14 Explain the P.D.P.T
Q.15 List the two advantages of Hydraulic transmitter.
Q.16 Define data communication.
Q.17 Define frequency system.
Q.18 Write the noise in any communication system.
Q.19 Write the application of telemetry.
Q.20 What is the bellow.
Q.21 Define PSK.
Q.22 Define pulse modulation.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Explain ASK in details.
Q.24 Explain the landline telemetry.
Q.25 Describe the modern communication system.
Q.26 Explain the Pneumatic transmitter.
Q.27 Write a short note on impulse system.
Q.28 Explain the basic concept of FDM.
Q.29 Compare the A.M and F.M.
Q.30 What is the need of modulation.
Q.31 Explain the PPM.
Q.32 Describe the flopper nozzle system.

(3)

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