

- Q.25 Discuss the importance of telemetry in operating room.
- Q.26 Discuss advantages & disadvantages of optical communication system.
- Q.27 Explain Time division Multiplexing.
- Q.28 Write a short note on Delta Modulation.
- Q.29 Explain principle of light propagation through optical fiber.
- Q.30 Explain different types of filters used in communication system.
- Q.31 Explain classification of transmitters on basis of modulation.
- Q.32 Explain Armstrong transmitters.
- Q.33 Write a note on image rejection ratio.
- Q.34 Discuss Temperature Telemetry system.
- Q.35 Write a note on difference between communication & broadcast receivers.

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SECTION-A

- Q.1 Which of the following signals cannot be transmitted using telemetry?
- a) Audio b) Visuals
c) Pictures d) All of the above
- Q.2 Reference electrode in EEG measurement is placed on
- a) Forehead b) Nasal
c) Cervical d) Facial
- Q.3 _____is used for measurement of electrical activity of Heart.
- a) ECG b) EEG
c) EMG d) None of the above
- Q.4 Source of Bioelectric signal is _____in nature.
- a) Electronic b) Electric
c) Mechanic d) Ionic

SECTION-D

- Q.36 Explain Satellite communications system in details.
- Q.37 Explain Single channel ECG Telemetry system with diagram?
- Q.38 Explain Super Heterodyne Receiver with Diagram?

- Q.5 EMG is study about
- a) Cardiovascular function
 - b) Neuromuscular Function
 - c) Immune Function
 - d) Nervous Functions
- Q.6 Which of the following is used in Time division multiplexing
- a) Digital Circuit
 - b) Analog Circuit
 - c) Modulation Circuit
 - d) Multipler Circuit
- Q.7 Voltage signal generated by microphone is
- a) Analog in nature
 - b) Digital in nature
 - c) Hybrid in nature
 - d) None of the above
- Q.8 Frequency of modulated wave varies with _____ in FM
- a) Wavelength
 - b) Time
 - c) Amplitude
 - d) Energy
- Q.9 PAM Stands for
- a) Pulse analogue modulation
 - b) Phase analogue modulation
 - c) Pulse Amplitude Modulation
 - d) Phase Amplitude Modulation

- Q.10 Which of the following communication transmission media is free space
- a) Line
 - b) Radio
 - c) Transmitter
 - d) None of the above

SECTION-B

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

- Q.11 Expand FDM.
- Q.12 Transmitter.
- Q.13 Telemetry.
- Q.14 Expand PSK.
- Q.15 What is Bandwidth.
- Q.16 Quantization.
- Q.17 Refractive index.
- Q.18 Numerical aperture.
- Q.19 What do you mean by Telemedicine.
- Q.20 Multiplexing.

SECTION-C

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

- Q.21 Explain basic communication system with block diagram?
- Q.22 Explain Obstetrical Telemetry system.
- Q.23 Explain Amplitude Modulation in details.
- Q.24 Explain Implantable Telemetry system.