

Assignment No.2

UNIT –II Telemetry & Data Acquisition System

Q.1 Define following Term

- (a) Telemetry.
- (b) Time division multiplexing.
- (c) Frequency division multiplexing.
- (d) Pulse code modulation.
- (e) Amplitude modulation.

Q.2 Explain the land line telemetry system using a synchro transmitter and receiver pair used in transmission mode.

Q.3 Explain why is it essential to use radio frequency (R. F.) telemetry. Describe it with some relevant examples.

Q.4 Describe in details the pulse code modulation system as used in telemetry.

Q.5 Describe the pulse amplitude modulation telemetry system.

Q.6 Describe the different method of data transmission. Explain the block diagram of a general telemetry system and describe its advantages.

Q.7 Describe the frequency modulation system. Compare FM, PAM & PCM telemetry system.

Q.8 Explain the land line telemetry system using voltage tele-metering system.