



SECOND INTERNAL ASSESSMENT

SUB: SENSORS AND TRANSDUCERS (Open Elective)
SUB CODE: 15EE662
DEPT/SECTION : EEE/A
Faculty: Dr SM Shashidhar

DATE: 15/04/2018
TIME: 8.30 AM to 9.45 AM
MAX MARKS: 30

NOTE: Answer the following questions

QUESTIONS	Marks
1. Draw the Generalized block diagram of Data Acquisition System and explain it. OR 2. Explain with a neat diagram the working of multi-channel data acquisition system.	6
3. With a neat sketch explain the working principle of dual ramp ADC. OR 4. With a neat sketch explain the working principle of Flash ADC.	6
5. Draw the general block diagram of telemetry system and explain briefly. OR 6. Explain briefly R-2R ladder Digital to Analogue converter.	6
7. Explain the working of landline voltage telemetry system. OR 8. Explain the working of landline current telemetry system.	6
9. Explain the need for modulation and explain briefly amplitude modulation. OR 10. What are the advantages of radio telemetry system? Give the ranges of major radio frequency bands used in telemetry.	6