

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(Autonomous System)
Department of Electrical & Electronics Engineering
II/IV B. Tech., Semester-II
ELECTRICAL MEASUREMENTS

ASSIGNMENT-I

UNIT-1

1.	Explain the working principle of MI instruments.	CO2
2.	Explain the working principle of PMMC instruments.	CO2
3.	Define accuracy and precision.	CO2
4.	Write the differences between analog and digital meters.	CO2
5.	Explain the different types of torques in an indicating instruments,	CO2
6.	Explain the working principle of dynamo type instruments.	CO2
7.	Explain the working principle of electro static instruments.	CO2
8.	Explain the process of extending the range of ammeters.	CO1
9.	Explain the process of extending the range of voltmeters.	CO1
10.	What are the different sources of errors?	CO2

UNIT-2

1.	Explain about power factor meters, frequency meters and synchrosopes.	CO2
2.	Explain about single phase induction type energy meters.	CO2
3.	Explain about dynamo type wattmeters.	CO2
4.	Explain the concept of measurement of three phase reactive power.	CO2
5.	Explain about the LPF wattmeters.	CO2