**EMMI(4TH SEM ELECTRICAL)**

1. Define the terms “Indicating instruments”, “Recording instruments” and “Integrating instruments”.
2. Explain the following terms. 1. Accuracy 2. Precision 3. Resolution 4. Sensitivity
3. Describe how to make extension of range of ammeter?
4. Explain working of Kelvin’s double bridge for measurement of low resistance with neat diagram?
5. Explain measurement of inductance with the help of Hay’s Bridge. Also draw vector diagram?
6. e) Explain the construction and operation of PMMI type instruments?
7. Describe the errors in dynamometer type instruments?
8. Explain the construction and operation of dynamometer type instruments?
9. Write down the construction of moving attraction type MI instruments?
10. Write notes on Owens bridge method

Tongue tester

Digital multimeter

Synchroscope

Calibration of instruments

1. State the uses of CT and PT?
2. What is clamp on meter?
3. What is burden?
4. Explain the measurement of capacitance by De Sauty Bridge method?
5. With a need diagram explain working of PMMC type instrument?
6. What is a rectifier type instrument?
7. State with example how can you extend range of ammeter and voltmeter?