

1st internal Examination  
Electrical measurements and instruments.  
4th Semester Diploma,  
Electrical Engineering

Full mark = 20

1. Answer all the questions
  - (a) Define sensitivity
  - (b) what do you understand by calibration of a measuring instrument?
  - (c) what is the advantage of using shunt and multiplier?
  - (d) what is the use of Tachometer?
  - (e) Define resolution.
2. Explain working principle of PMMC type instrument.
3. Explain in brief the principle of single phase induction type energy meter.

2<sup>nd</sup> internal Examination  
Electrical measurements and instruments  
4<sup>th</sup> Semester Diploma  
Electrical Engineering

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1. Answer all questions.
  - (a) What is burden? 2.
  - (b) Name the different types of resistance 2.
  - (c) What is the function of multimeter? 2.
  - (d) What is phase sequence? 2.
  - (e) What is clamp-on-ammeter? 2.
2. Write notes on De-sauty bridge. 2
3. Explain the working principle of megger. 2