

# C.U.SHAH UNIVERSITY

## Summer Examination-2017

**Subject Name: Electrical & Electronics Measurement**

**Subject Code: 4TE04EEM1**

**Branch: B.Tech (Electrical)**

**Semester: 4**

**Date: 11/05/2017**

**Time: 02:00 To 05:00**

**Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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**Q-1**

**Attempt the following questions:**

**(14)**

- a) Wattmeter has two coils namely.....
  - a) Wattmeter has two coils namely
  - b) Voltage and resistance coil
  - c) Voltage and current coil
  - d) Pressure and resistance coil
- b) Basically a potentiometer is a device for
  - a) comparing two voltages
  - b) measuring a current
  - c) comparing two currents
  - d) none of above
- c) For measurements on high voltage capacitors, the suitable bridge is
  - a) Wein bridge
  - b) Modified De Sauty's bridge
  - c) Schering bridge
  - d) any of above
- d) The multiplier and the meter coil in a voltmeter are in
  - a) series
  - b) parallel
  - c) series-parallel
  - d) none of above
- e) The operating voltage of a meggar is about
  - a) 6 V
  - b) 12 V
  - c) 40 V
  - d) 100 V
- f) Standard resistor is made from
  - a) maganin
  - b) platinum
  - c) silver
  - d) copper
- g) Most sensitive Galvanometer is
  - a) elastic galvanometer
  - b) vibration galvanometer
  - c) spot ballistic galvanometer
  - d) none of above
- h) The pointer of an indicating instrument should be
  - a) very light
  - b) very heavy
  - c) either A) or B)
  - d) neither A) or B)
- i) In majority of instruments damping is provided by
  - a) fluid friction
  - b) spring
  - c) eddy current
  - d) both A) and B)





