

V.P & R.P.T.P SCIENCE COLLEGE

Internal test

Subject - Basic electronics instrumentation-I

Date: 02/12/2014

Course: Instrumentation (V)

Time: 11:00 to 12:00noon

Subject code: US01CINV01

Total Marks: 25

Q-1 Choose correct answer from given: [3]

- (1) _____ is negative co-efficient of temperature.
(A) LDR (C) both (A) & (B)
(B) Thermister (D) none of above
- (2) Air core coil has _____ flux density.
(A) high (C) low
(B) medium (D) none of above
- (3) _____ Coil type galvanometer is mostly used in laboratory.
(A) pivoted (C) both (A) & (B)
(B) Suspension (D) none of above



Q-2 Short answer type questions. (attempt any two) [4]

1. Briefly explain LDR.
2. Define mutual induction.
3. Discuss the effect of temperature on galvanometer.

Q-3 Explain Wheatstone bridge method for resistance measurement. [6]

OR

Q-3 List fixed type resistor and explain any two with necessary fig. [6]

Q-4 Write a note on fixed type inductor. [6]

OR

Q-4 Explain (1) Mica capacitor (2) Ceramic capacitor [6]

Q-5 Explain pivoted type galvanometer with necessary figure. [6]

OR

Q-5 Give the constructional details of the PMMC mechanism. [6]

*** ALL THE BEST ***