



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

F.Y.B.Sc.(I-sem) INSTRUMENTATION (VOC.)

SUB: - US01CINV01 (Basic Electronics instruments-I)

DATE:-01/10/2016

TIME:-1:30 PM to 2:30 PM

MARKS:-25

Q-1 Choose correct answer [3]

1. _____ Instrument used in measurement of medium resistance value.

- (A) Whetstone bridge (C) LDR
(B) Voltage Ammeter method (D) None of above

2. Capacitive reactance pass the _____ signal and block _____ signal.

- (A) DC,DC (C) DC,AC
(B) AC,DC (D) AC,AC

3. _____ Damping is considered as best damping.

- (A) Over (C) Critical
(B) Under (D) None of above

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

1. What is LDR? Briefly explain it.

2. Define mutual induction.

3. Discuss the effect of the temperature on galvanometer.

Q-3 Explain voltage –Ammeter method for resistance measurement. [6]

OR

Q-3 List fix type resistor and explain any two in detail. [6]

Q-4 Enlist fix type of capacitor and explain any two in detail. [6]

OR

Q-4 List different type of inductor and explain variable type inductor in detail. [6]

Q-5 With necessary diagram explain PMMC mechanism and Discuss damping mechanism. [6]

OR

Q-5 Explain constructional detail of suspension type galvanometer and explain its working. [6]
