Extoa: 14

V. P. & R. P. T. P. Science College Vallabh Vidyanagar

Internal Examination B.Sc. Semester-6

	bject: Instrumentation and Sensors te: 17-03-2018 Saturday Time: 11.00 to 12.30 pm Code: US06CPH Marks: 2	
Q. 1	Answer with correct option: (Each 1 Mark)	(3)
	In LVDT the transformer core is generally made up of	
Q.2	Answer any Two in Short: (Each 2 Mark)	(4)
1. 2. 3.	Explain principle of measurements of Capacitive transducers. Discuss thermal conductivity gage for pressure measurements. What is a thermocouple? Explain its construction and principle.	
Q. 3	Draw labeled diagram of Cathode Ray Oscilloscope. Show that in a Cathode ray tube of a CRO, path of an electron reaching the screen is parabolic. OR	(6)
Q. 3	Explain non-self generating type inductive transducers.	(6)
Q. 4	State various types of pressures. Explain pressure measurements using McLeod gage.	(6)
Q. 4	OR Write a note on Opto-Electrical transducers.	(6)
Q. 5	State various methods of temperature measurements .Explain principle and working of Solid Rod Thermometers. OR	(6)
Q. 5	Write a note on total radiation pyrometer.	(6)

