V. P. & R. P. T. P. Science College T.Y. B.Sc. Industrial Chemistry, Semester-VI US06CICH05- Industrial Instrumentation and Process Control 10th March 2017

Total Marks: 25

Time: 11:00 am to 12:30 pm

Q - 1 Ansv	wer the following MCQs		[03]
1.	is used as lov	v expansion metal in bimetallic thermometer.	
	a. Invar	b. Bronze	P. Science
	c. Nickel	d. Ni-Mo alloy	60
II.	Which anti freezing agent used in U – tube manometer.		
	a. Kerosene	b. Diesel	V. Nagai
	c. Petrol	d. benzene	
III.	Orifice meter work on the principle of		
	a. differential area	b. Across the area	
	c. Both a & b	d. None of these	
Q - 2 Ans	wer any two of the foll	owing short questions:	[04]
I.	Write the principle of	solid expansion thermometer.	
II.	. Write the classification of pressure measuring devise.		
III.	Give classification of or	fice plate with figure.	
Q – 3 Explain working, principle and advantages of thermocouple. OR			[06]
${f Q}$ – ${f 3}$ Write a note on expansion thermometer or bimetallic thermometer.			[06]
Q – 4 Write a note on sight glass method of level measurement. OR			[06]
Q – 4 Explain dead weight piston gauge.			[06]
Q - 5 Writ	e the principle, construct	ion, working and advantages of venturimeter. OR	[06]
0 - 5 Deri	ve an equation for triang	ılar notch.	[06]