SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar - 388120

B. Sc. - 4th Semester (Instrumentation/Applied Physics)

US04CINS01 (Signal Conditioning System)

Day and Date: Friday, 05/04/2019 Time: 10:00 am to 01:00 pm

Maximum Marks: 70

Que 1	Objective Type Questions.		[10]
1		at flow into the inverting and noninverting input	
	terminals of the op-amp.	*	
	a) Input bias current	b) Input bias voltage	
	c) Slew rate	d) Supply current	
2	is the current drawn by the op-amp from the power supply.		
	a) Slew rate	b) Supply current	
	c) Input bias current	d) Power supply rejection ratio	
3	Bridge is used for measurement of	unknown inductance.	
	a) Wheatstone	b) Schering	
	c) Maxwell	d) Wien	
4	Bridge is used for measurement of		
	a) Kelvin	b) Maxwell	
	c) Hay	d) Schering	
5	: closeness with which an instrume	nt reading approaches the true value of the variable	
	being measured.		
	a) Accuracy	b) Precision	
	c) Sensitivity	d) Error	
6	: a measure of the reproducibility of	of the measurements.	
	a) Resolution	b) Precision	
	c) Accuracy	d) Set point	
7	: the ration of output signal or re	sponse of the instrument to a change of input or	
	measured variable.		
	a) Error	b) Precision	
	c) Sensitivity	d) Resolution	
8	The stage of typical op-amp is into	ermediate stage.	
	a) Third	b) Fourth	
	c) First	d) Second	
9	is determined by the number of in	put bits of the digital-to-analog converter.	
	a) Resolution	b) Precision	
	c) Accuracy	d) Set value	
10	A is constructed of resistors having only two values.		
	a) Weighted resistor	b) binary ladder	
	c) counter type ADC	d) binary ladder and counter type ADC	
		COTO	١

