	Registration	on No ^{2‡0}	210		210		210		210		2
Tota	al Number of	Pages : 02								B.Tec	h
		-th -		_					F	PBT5H00	2
		5'' S	emester R PROCES				8-19				
	210	210		NCH : B		IION	210		210		2
			T M	ime : 3 H ax Marks	lours : 100						
An	swer Questi	on No.1 (Part	:-1) which is).CODE : s compul from Par	sory, an	y EIGH	IT fron	n Part-II	and a	any TWO)
		The figur	es in the ri		_	indicat	te mar	ks.			
	210	210	210	_	210		210		210		2
				Part- I							
Q 1	Short Answer Type Questions (Answer All-10)								(2 x 10))	
		own two disadv	_		ınstrumen	t.					
	•	ds number is us						0			
	-	re the different			iquia ievei	measu	rement				
	210	the disadvanta	210		210	n hotu	210	and and	210 f love		
	rate.(T/	•				p betw	een ne	eau anu	now		
	f) Name at least two gauges for vacuum measurement.										
	•	libration of pres		•		•					
	-	rea the commo			•		nomete	ers?			
	210	re the building e vo disadvantag	210		yrometer?		210		210		2
	j) Write tw	vo disadvantagi	es or memi	SIOIS.							
	_			Part- II						(0.0)	
Q2	Focused-Short Answer Type Questions- (Answer Any EIGHT out of TWELVE) (6 x 8)										
	,	a) Being an engineer write down some steps for selection of flow meters.									
	b) Explain the working principle of strain gauge pressure transducer.									2	
	c) Discuss with neat sketch construction and working of dead-weight piston gauge.										
	d) Discuss the working of Bimetallic thermometer with some advantages.										
	e) Explain emission spectroscopy briefly.										
	f) With suitable diagram explain torque tube type Displacer level detector.										
	g) Explain	the working pr	inciple of air	purge syst	em briefly	' .					
	h) ²¹⁰ Explain	mass spectros	copy briefly.		210		210		210		2
	-	with neat sl			d working	g of pie	ezo-ele	ctric pre	ssure		
	j) Explain	time-difference	e type ultrasc	onic flow m	eter briefly	у.					
	k) What ar	re the uses of F	Pressure swit	tches?							
	,	C the doce on i									
	•	the working pr	inciple of floa	at-type leve	el indicato	r.	210		210		2

210		210	210	210 Pa	rt-III ²¹⁰	210	210	210	
		Long An	swer Type Qu	estions (Answe	r Any TWO out	of FOUR)			
	Q3	Suggest industries	and discuss the with suitable s	he indirect metho schematic diagra	ods of liquid lev m.	el measuremen	ts used in	(16)	
210	Q4	21 highly co	with neat sketc rrosive liquids e and disadva	h, the different ty involving measu ntages.	pes of flow meter rement of erosiv	ers used to meas ve slurries. Also	ure flow of discuss its	(16) 210	
	Q5	Suggest the working, advantages and disadvantages of different elastic pressure transducers.							
	Q6	Explain radiation and optical pyrometer briefly.							
210		210	210	210	210	210	210	210	
210		210	210	210	210	210	210	210	
210		210	210	210	210	210	210	210	
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