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

S.Y.B.Sc (4TH-SEMESTER) INSRUMENTATION (VOC.)

	: - OSCILLATORS AND OI		SUB.CODE :- US04CIN\	
	Chance correct answer	TIME :- 3.00 P.M TO 4.30 P.M.	MARKS-	
Q-1			dagrae of	1
1.		or feedback R-C circuit gives total _	degree of	
	phase shift. (A) 90	(C) 210		
		(C) 210 (D) 270		
2.	(B) 180	s cutting application in industries	bocause of its high	
۷.	output power.	s cutting application in industries	because of its flight	
	(A) CO ₂	(C) He-Ne	T. I	P. Sc
	(B) Ruby	(D) None of the	3	
3.		ppagate through total internal	1/9/	
J.	(A) Refraction	(C) Reflection		KA
	(B) Diffraction	(D) Scattering	1 #	
	(b) Diffraction	(b) scattering	N. N.	Nac
Q-2	Short answer type que	estions. (attempt any two)	[4	1
1.		effect ? Briefly explain its equivalent		,
2.	Write difference between	Annual Services of Property and Services and Assessment Services and S		
3.		disadvantages of fiber optics.		
Q-3	What is oscillator? Listoscillator in detail.	st different types of oscillator and	explain any one L-C [6	i]
		OR		
Q-3	Draw the block diagra 555 IC with neat diagra	am of 555 Timer IC. Discuss Astable am.	multivibrator using [6	6]
Q-4	List different types of diagram.	LED and explain Surface Emitting Le	d in detail with neat [6	6]
		OR		
Q-4	Enlist different types of in detail.	of applications of laser and discuss a	ny two applications [6	[]
Q-5		or ? List different types of photo de etail with neat diagram. OR	tectors and explain [6	i]
Q-5	Give comparison of me	etal cable with fiber optic cable in de	etail. [6	5]
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