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

T.Y.B.Sc (6th semester.) ELECTRONICS

SUB. CODE:-US06CELE06

Time: 11.00 a.m. to 12.30 p.m.



(25 Marks) DATE:-17/03/2018

	Q-1	Choose correct answer mixing principle is used in colour TV.		[3]
	1.			
			(C) substractive	
			(D) none of above	
٠	2.	Attenuation is in fiber optic cable.		
		(A) highest	(C) lowest	
		(B) highers	(D) none of above	
	3.	Which of the following determines the efficiency of LED		
		(A) total internal reflection	(C) quantum efficiency	
		(B) internal absorptions	(D) none of above	
	Q-2	Short answer type question.(attempt any two)		[4]
		Finals in addition to be a constitute and a final to the first term TV		
	1.	Explain additive colour mixing principle in colour TV.		
	2.	Draw the neat diagram showing construction of fiber optic cable		
	3.	Explain Avalanche multiplication process.		
	Q-3	Draw the block schematic arrangement of colour TV camera and explain its		
,	Q J	working.		[6]
		OR		
	Q-3	Draw the block diagram of PAL encoder and decoder and explain working of		[6]
		any one.		
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	Q-4	Explain principle of fiber optics in detail. OR		[6]
	Q-4	Explain in detail step index fiber.		[6]
	Q-5	Give an account of PIN diode.		[6]
		OR		507
	Q-5	Draw the energy bend diagram of biased and unbiased LED. and explain		[6]
		working principle of it ,also draw typical biasing circuits.		
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