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SUBJECT CODE NO:- CB-2347 FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. F.Y. (Sem-I)

Examination December /January-2022-23 Electronics Paper-I ELE-011 Notwork Applysis and Sami Conductor Device

Network Analysis and Semi Conductor Devices [Time: 1:30 Hours] [Max. Marks:40] Please check whether you have got the right question paper. N.B 1) All questions are compulsory 2) All questions carry equal marks 3) Draw neat circuit diagram wherever necessary. State and Thevenin's Theorem Q.1 Explain in Brief fastatic & dynamic resistance of an diode photodiode 10 Which suitable circuit diagram the working of CE connections 10 Explain in brief 10 a) Half wave rectifier b) Regulated power supply Write short notes on (any two) 10 1) Superposition theorem 2) Tunnel diode 3) Relation between $\propto dc$ and βdc 4) Ripple factor of halfwave rectifier Attempt following multiple choice questions 10 The resister is measured in --

c) Ampere

d) both a &b

	St. Sold House Control of the Contro	CB-2347
2)	The inductor is	
	a) Active component b) passive component c) both a & b d) None of above	6 ¹ 7
3)	Zener diode is used as	
	a) Rectifier b) filter c) voltage regulator d) none of the above	
	Color City Color Color Color	
4)		
	a) Minority carriers b) Majority carriers c) both a & b d) None of the above	
	The state of the s	
5)		5 D
	a) Beta b) Theta c) alpha d) omega	4
	A Sign Court Style Order Color Style Style	
6)		
	a) Two b) Three c) Four d) five	
7)	The Maximum efficiency of full wave rectifier is	
	a) 10% b) 40 % C) 100% D) 81.2%	
S. O.		
8)	The average dc current of full wave rectifier is	
	a) Im/π b) $2Im/\pi$ c) Im d) $Im/\sqrt{2}$	
30		
9)		
	a) Decrease value of ac voltage	
	b) Increase ac voltage	
	c) Decrease dc voltage	
	d) None of the above	
10)) A fuse interrupts	
10	a) Excessive voltage b) excessive current c) low current d) none of the above	
	a, Excessive voltage by excessive current c) low current d) none of the above	