No. of Printed Pages: 4			Q.7	Cycloconverter Converts	to (CO-7)	
Roll No		171043				
	4th Sem. / Electronics & Con	mmon ECE	Q.8	The device which converts DC to A	C is called. (CO-7)	
	Subject : Power Electro	nics	0.0	E LUBO		
Time: 3 Hrs.		M.M. : 100	Q.9	Expand UPS	(CO-6)	
			Q.10	Give one applications of Chopper.	(CO-7)	
Note: Objectives questions. All questions are			SECTION-B			
11016	compulsory (10x1=10)		Note	:Very Short answer type questions.	type questions. Attempt any 10x2=20	
Q.1	Draw symbol of SCR	(CO-1)	0.44	•		
Q.2	SCR has,	and	Q.11	Define Duty Cycle.	(CO-3)	
	as terminals.	terminals. (CO-1)	Q.12	Write 4 ratings of SCR	(CO-1)	
Q.3	The value of Latching current is less than Holding Current (True/False) (CO-1)	Q.13	Define the term String Efficiency	(CO-1)		
		(CO-1)	Q.14	Define Commutation	(CO-1)	
	Draw the symbol of UJT  SCR has num	(CO-2) ber of Junctions.	Q.15	Q.15 What is the function of Freewheeling Diode (CO-4)		
	(CO-1)		Q.16	What is Triggering in SCR.	(CO-1)	
Q.6	In a dual converter if one operates in mode than other operates in			Draw VI Characteristics of TRIAC	(CO-2)	
	•	(CO-7)	Q.18	Draw the symbol of UJT	(CO-2)	
	(1)	171043		(2)	171043	

Q.19 Write the relation between the firing two converters of a dual converter.	angles of (CO-7)	Q.29 Explain UJ	Γas Relaxation Oscillator	(CO-3)
two conventors of a data conventor.	(001)	Q.30 Explain the	working of dual Converte	er. (CO-7)
Q.20 Write two methods of control speed of Drives.	of Electric (CO-8)	Q.31 State four a	advantages of AC Drives	(CO-8)
Q.21 Write types of HVDC	(CO-6)	Q.32 Explain the	working of series Inverter.	(CO-7)
Q.22 Why heat sinks are used.	(CO-1)	SECTION-D		
SECTION-C		Note:Long answer	er type questions. Attemp	t any three 3x10=30
<b>Note:</b> Short answer type questions. Attempt questions.	any eight 8x5=40	Q.33 Draw the block diagram of UPS and exp		•
Q.23 Explain the working of two transistor a	inalogy of (CO-1)	between online UPS and Offline UPS. (CO-6)		
SCR		Q.34 What do y	ou understand by term	controlled
2.24 Explain how natural commutation is different		rectifier. Explain the working of full wave		
from forced commutation.	(CO-1)	controlled center tapped recti		
Q.25 Draw and explain the working of class		with the help of wave forms. (	(CO-4)	
chopper with diagram.	(CO-7)	Q.35 Explain the working of SCR as light intensity		
Q.26 Write four applications of SCR.	(CO-1)	control with the help of circuit diagram. (CO-2)		ı. (CO-2)
Q.27 Explain the principle of operation	of HVDC (CO-6)		cloconverter draw and exp Cycloconverter as erter.	
Q.28 Draw the block diagram of online UPS	(CO-6)	2,000		(
(3)	171043	(1520)	(4)	171043