	Name:	Registration No.:
	Section:	Roll No.:
	Class Assessment Test-1 Date of Allocation:13.02.2023, Attempt All Questions (Each Question Carr	Basic Electrical and Electronics Engineering (ECE249) Date of Submission:20.02.2023 y 5 Marks) Total Marks: 30
	Q 1. Explain Thevenin and Norton Ti	peorem in detail with stens
	Example Distribute the current supplies by each l	
	Solution. Since there are three meshes, let the three loo	
	\$0 40 5V	- AR
	A 30 32	D 7 30 V
	20 V 1 8 5 V N 2 85	v 2) The
	Q.2	
	Example Ling Superposition theo- rem, find the value of the chipper voltage V, in the	
	rom, find the value of the cusput voltage V, in the	
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	For the circuit shown in Fig.	calculate the current in the 10 ohm
	resistance. Use Threenin's theorem only	
	Q4.	shearem in detail with steps
	O & E Line maximum power transfer	theorem and Superposition theorem in detail with seeps
	Q 3. Explain maximum power	A LANGE DE PROPRIED DE LE CONTRACTOR DE LA CONTRACTOR DE
	the delta attac possession to find restate	
	out there in Phys	to the same of the
	P. 72	
	Q 6.	
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