



SCHOOL OF ELECTRICAL ENGINEERING

CAT-I

Winter Semester 2018 - 19

Class Nbrs.

: VL2018195001598,1862,3666,3667,3668,3669,3670,3672

Course Code

: EEE1001

Date of Exam

: 27/01/19

: Basic Electrical and Electronics Engineering

Max. Marks

: 50

Course Title

Programme Name & Branch: B.Tech , All branches

Duration

: 1 1/2 hours

General instruction: Answer all questions

.No.	Question	0 1 0 11 1	aude al aussi i Tili d	
1.	Find the current through 100Ω resistor for the circuit shown in Fig.1 using mesh			
	current method.			[10]
	1	, R ₁	133 R ₂ 50Ω	12= 14
		R ₁ 150 Ω	1, 7,50Ω	7 - 7
	+	<i>A</i>	Tu R3 35	-1 - 6
	24 V =	\leftarrow	100Ω	$ I_2 = I_n + I_n = I_n + I_n $
	-	112	77.10	
		R ₄	R ₅ 250 Ω	
		300 9	230 11	
6	Fig.1			
(d)	Determine the value of load resistor for the circuit shown in Fig.2, if maximum			
	power is transferred. Also calculate the maximum power across the load resistor. [10]			
		4		
	200			
	2Ω	12Ω	10Ω	
			,,,	
		i.		
	40\/			
	40V <u>. </u>			≥ 25V
	40V.	§ 9Ω	≹RL	≟ 25V
	40V.	§ 9Ω	≹Rι.	= 25V
	40V.	§ 9Ω	≹Rι.	幸 25 Ⅴ
	40V.	§ 9Ω	≹RL	= 25V
	40V.	§ 9Ω	≹R∟	= 25V
	40V.	≥ 9Ω	≹RL	≟ 25V



SPARCH YIT QUESTION PAPERS ON TELEGRAM TO JOIN

