Reg. No.:

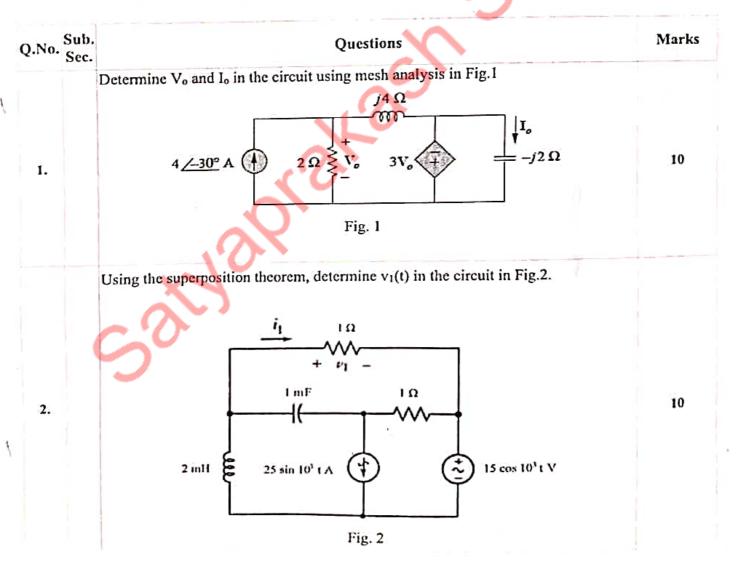
### Name



## Continuous Assessment Test I - March 2023

Programme	B.Tech (ECE/ECM)	Semester	: WS 2022-23
Course	: Circuit Theory	Code	: BECE203L
		Slot	: A2+TA2+TAA2
Faculty	: Dr. ASHISH KUMAR Prof. KRITHIKA ALIAS ANBU DEVI M Prof. SRINIVASAN R Dr. NIRAJ KUMAR	Class Nbr	: CH2022232300116 CH2022232300117 CH2022232300118 CH2022232300120
	Dr. USHA RANI S Dr. M SARANYA NAIR		CH2022232300121 CH2022232300122
Гime	: 90 Minutes	Max. Marks	: 50

# Answer ALL the questions

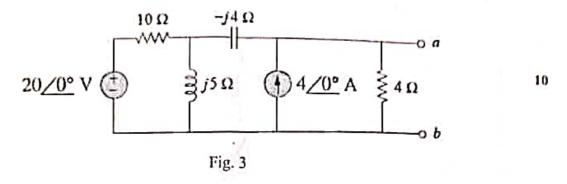


Find the Thevenin equivalent of the circuit in Fig.3, as seen from terminals a-b.

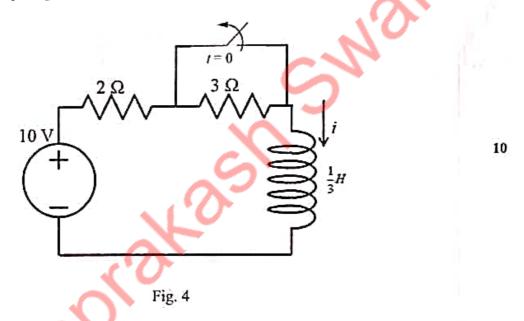
3.

4.

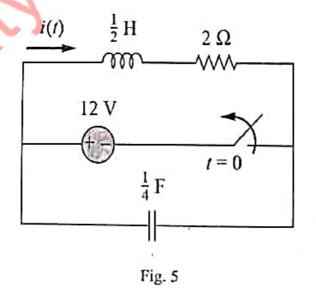
5.



Find i(t) in the circuit shown in Fig. 4, for t > 0. Assume that the switch has been closed for a very long time.



The switch in the circuit of Fig. 5 has been closed for a long time but is opened at t=0. Determine i(t) for t>0.



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Reg. No.:

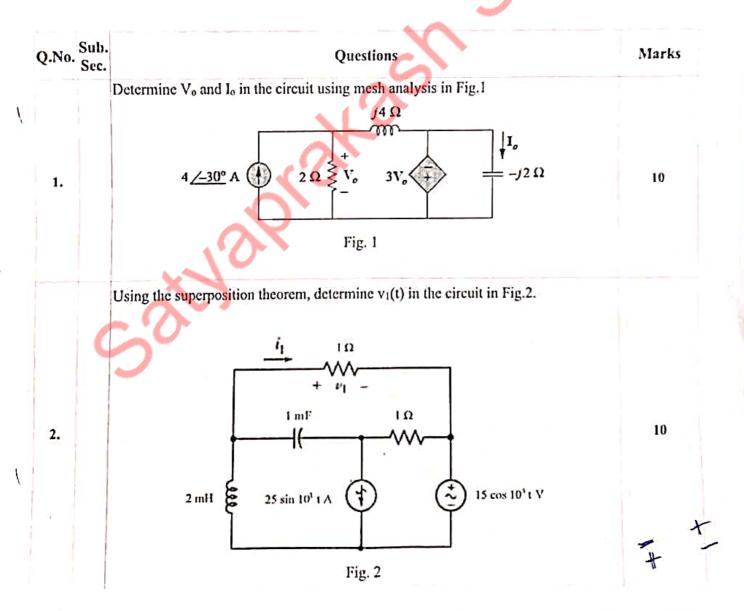
Name



## Continuous Assessment Test I - March 2023

Programme	B.Tech (ECE/ECM)	Semester	:	WS 2022-23
Course	Circuit Theory	Code	:	BECE203L
		Slot	:	A2+TA2+TAA2
Faculty	Dr. ASHISH KUMAR Prof. KRITHIKA ALIAS ANBU DEVI M Prof. SRINIVASAN R Dr. NIRAJ KUMAR Dr. USHA RANI S Dr. M SARANYA NAIR	Class Nbr	•	CH2022232300116 CH2022232300117 CH2022232300118 CH2022232300120 CH2022232300121 CH2022232300122
Time	: 90 Minutes	Max. Marks		50

# Answer ALL the questions

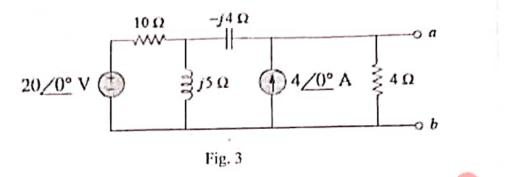


Find the Thevenin equivalent of the circuit in Fig.3, as seen from terminals a-b.

3.

4.

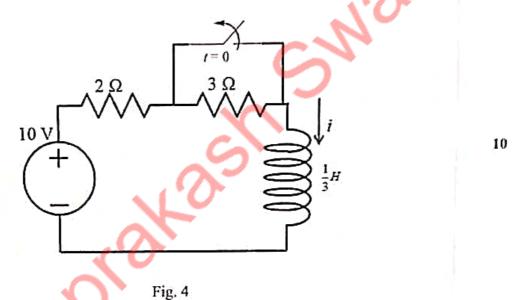
5.



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10

Find i(t) in the circuit shown in Fig. 4, for t > 0. Assume that the switch has been closed for a very long time.



The switch in the circuit of Fig. 5 has been closed for a long time but is opened at t=0. Determine i(t) for t>0.

