## B.Tech End Semester Examination-2024

Name of the course: B.Tech

Name of the Paper: Basic Electrical Engineering

Semester: II

Course Code: TEE-201

Time: 3:00 Hrs

Maximum Marks: 100

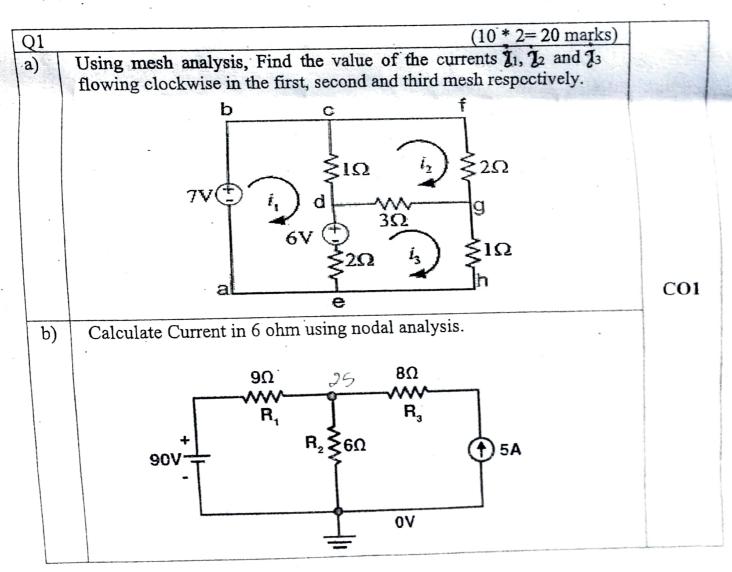
## Note:

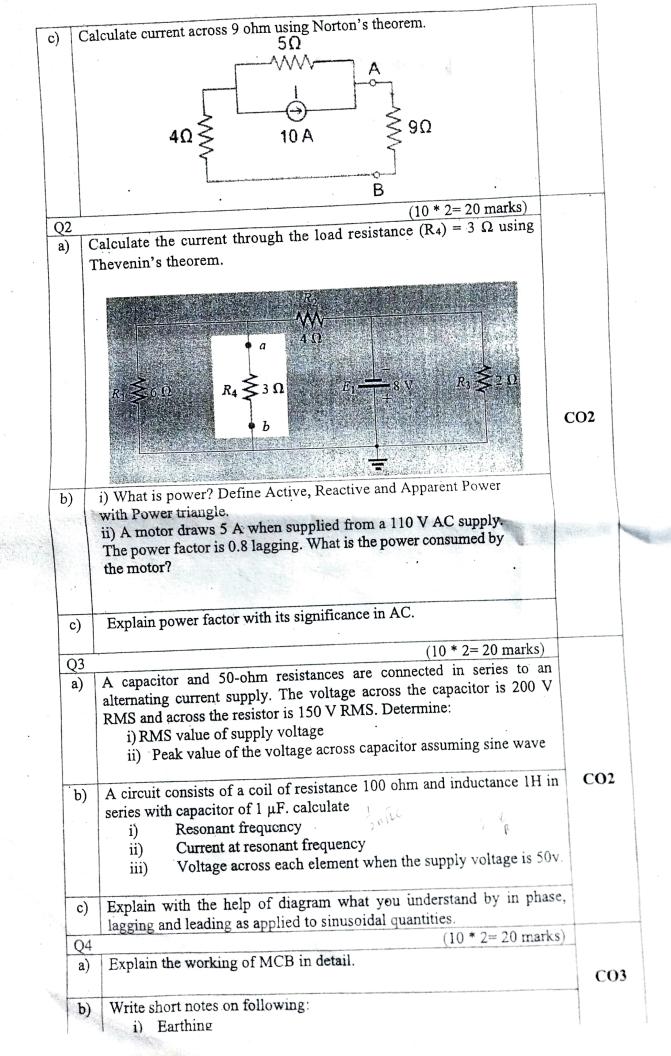
(i) All questions are compulsory.

(ii) Answer any two sub questions among a, b and c in each main question.

(iii) Total marks in each main question are twenty.

(iv) Each question carries 10 marks.





	ii) SFU iii) DPDT switch iv) Conduit wiring	ing a sagatan dipangangan di kacama
c)	Define Batteries, type and characteristics of batteries, also differentiate between primary and secondary batteries.	
Q5	(10 * 2= 20 marks)	
a)	A 4-pole wave Connected DC generator has 220 coils of 10 turns each.	
	The speed is 400 rpm. If the machine has a useful flux of 0.05 Wb, find the generated EMF.	
b)	Design and explain a circuit to control single lamp load from two locations.	CO4,
c)	Define following:  i) Faraday's law	C05
	ii) Slip iii) Fleming's left-hand rule	
	iv) Rotating magnetic field	