

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

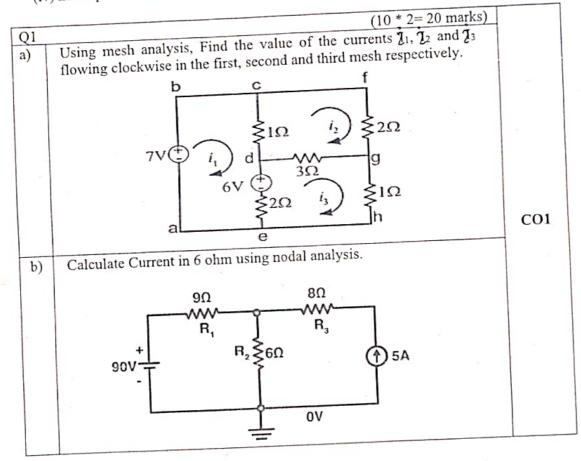
Maximum Marks: 100 Time: 3:00 Hrs

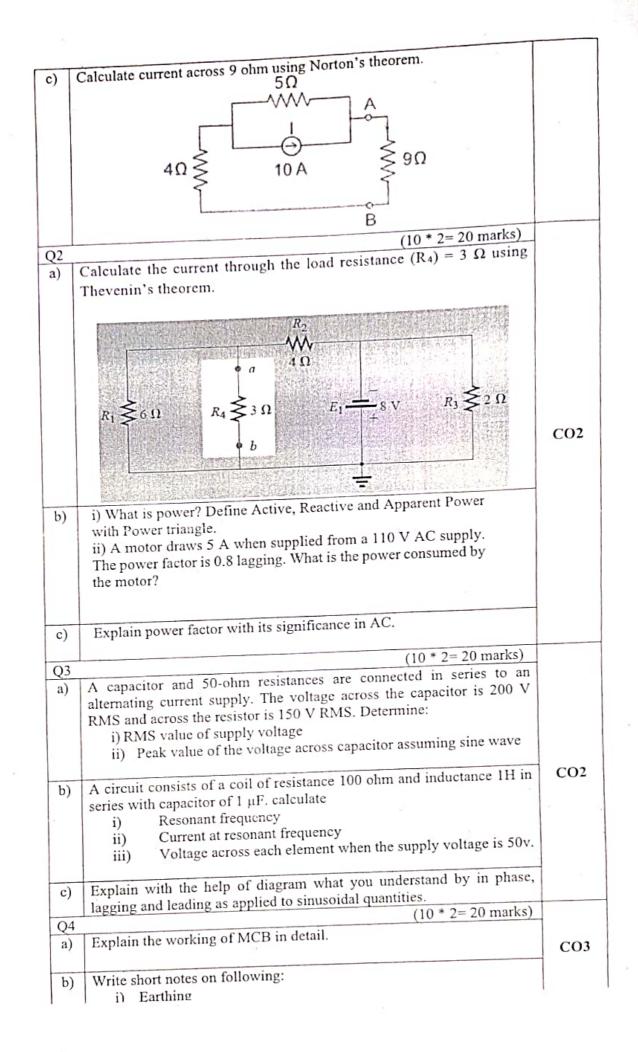
Note:

(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	
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 ii) Slip iii) Fleming's left-hand rule iv) Rotating magnetic field	