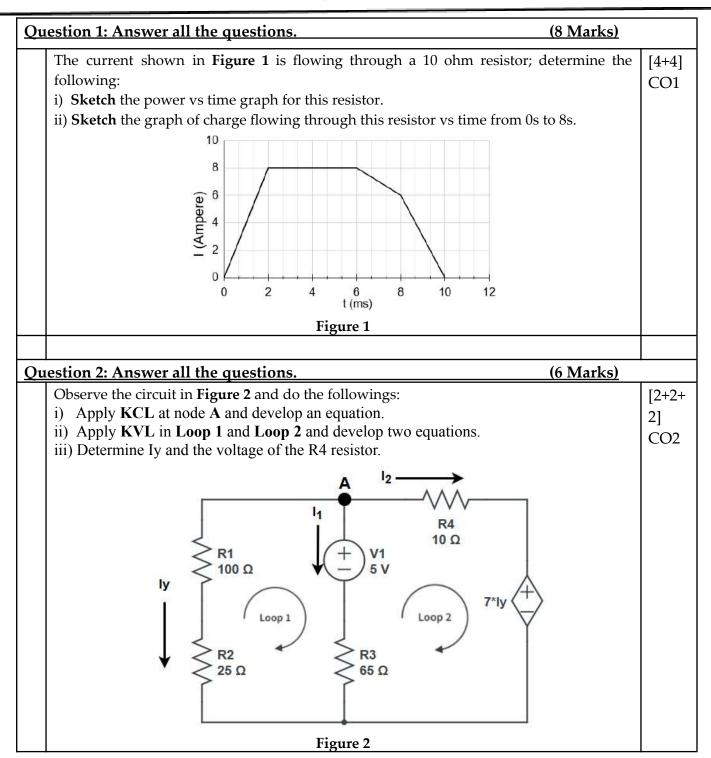


## United International University (UIU) Dept. of Computer Science & Engineering (CSE) MID Exam, Trimester: Spring 2025

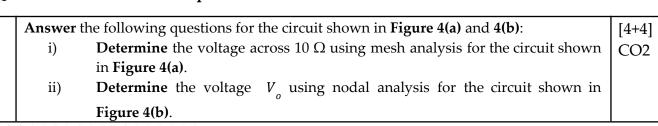
Course Code: CSE 113/EEE 2113; Course Title: Electrical Circuits

Total Marks: 30; Duration: 1 hour 30 minutes

Any examinee found adopting unfair means would be expelled from the trimester/ program as per UIU disciplinary rules.



Question 3: Answer all the questions (8 Marks)	
For the following circuit shown in <b>Figure 3</b> , <b>determine</b> the following:  a. <b>Find</b> the equivalent resistance, R <sub>eq</sub> .  a. Using only CDR, <b>find</b> the values of I <sub>1</sub> and I <sub>2</sub> .  b. <b>Find</b> the value of V <sub>1</sub> using VDR only.	[2+4+ 2] CO1
7 ohm 13 ohm	
Question 4: Answer all the questions. (8 Marks)	
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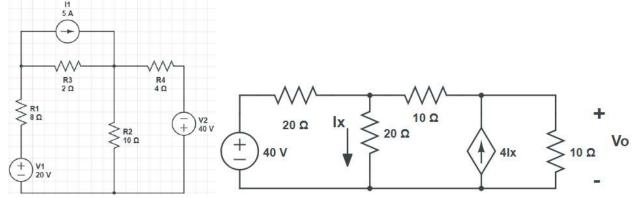


Figure 4(a)

Figure 4(b)