University of Information Technology & Sciences (UITS)
Department of Computer Science and Engineering
Program: B.Sc. in CSE
Mid Term Examination, Autumn 2023
Course Title: Fundamentals of Electrical Engineering
Course Code: EEE 151

Marks: 20   **Time: 1(One) hour**

(Answer all of questions)

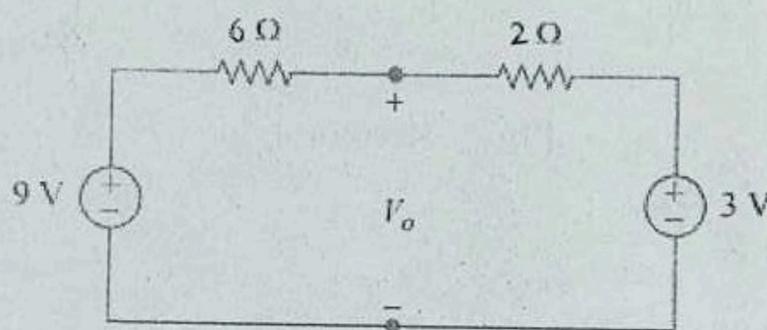1. a) **Determine** V_o in the circuit shown in figure 1.   **[04]**

Fig.1: Circuit for 1a

   b) **Determine** voltages and currents using KVL and KCL for the   **[06]**
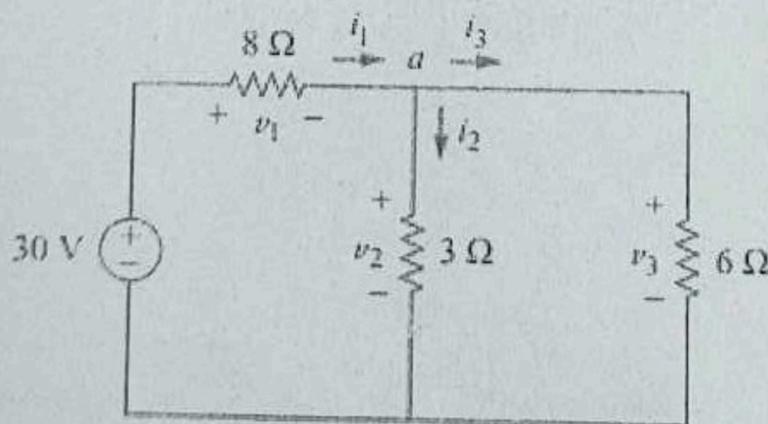   circuit shown in figure 2.

Fig.2: Circuit for 1b.

2. a) For the circuit in figure 3, find i_1 to i_5.
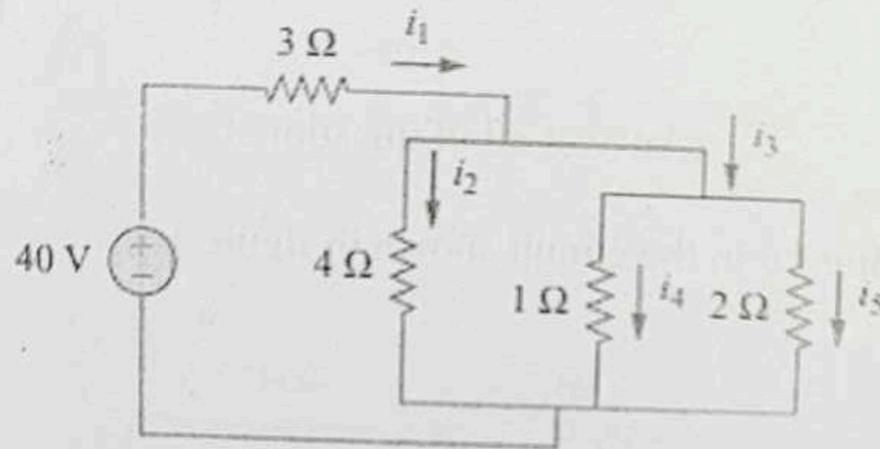
[05]

Fig.3: Circuit for 2a

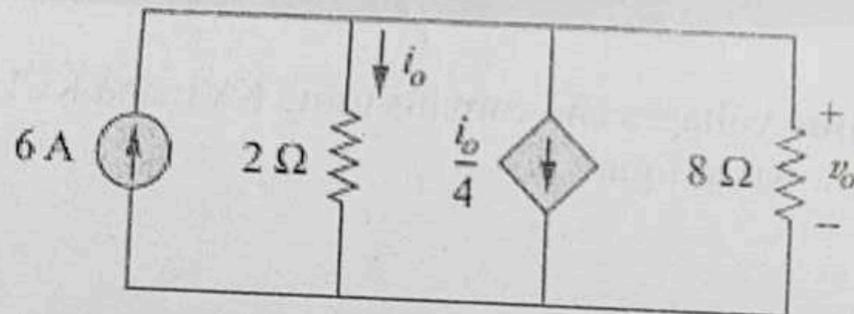b) **Find** v_o and i_o in the circuit shown in figure 4.

[05]

Fig.4: Circuit for 2b