Instructions: *After completing the tutorial assignment, please take a picture of your written solution with your name and student ID at the top of each paper. The CANVAS submission link will be available during the tutorial session only.*

1) Find i(t) in the circuit of Fig 1 for t>0. **5 marks**

Assume that the switch has been closed for a long time when t < 0.

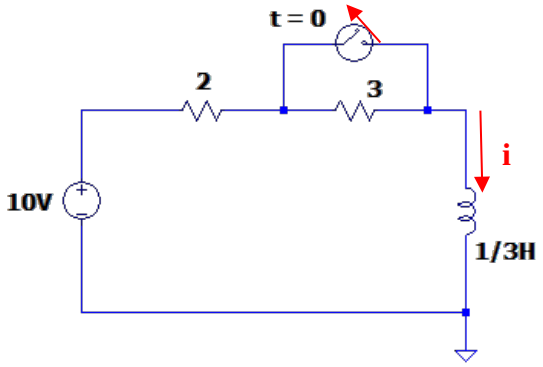

Fig 1

2) The switch in Fig 2 has been in position A for a long time. **5 marks**

At t = 0, the switch moves to B.

i) Determine v(t) for t > 0.

ii) Calculate its value at t = 1s and 4s.

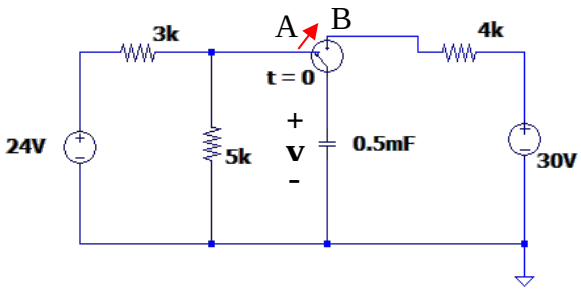

Fig 2

3) Find v(t) for t >0 in the circuit of Fig 3. Assume the switch has been open for a long time and is closed at t=0. Calculate v(t) at t = 0.5. **5 marks**

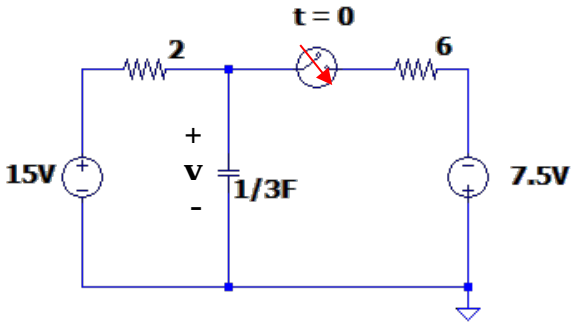

Fig 3