

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES  
Department of Electrical Engineering

EE240 Circuits I  
Quiz 05 - Section 2

Name: \_\_\_\_\_

Campus ID: \_\_\_\_\_

Total Marks: 10

Time Duration: 20 minutes

**Question 1** (10 marks)

In the following circuit, the switch is opened at  $t = 0$ . Determine the voltage  $v_o(t)$  for all times. Also plot the voltage for  $-\tau \leq t \leq 6\tau$  (where  $\tau$  denotes the time constant of the circuit).

