Department of Electrical Engineering Assignment Date: 07/05/2020 <u>Course Details</u>				
Submission Deadline		05/06/2020		
Student Details				
Name: M.Salman shahid Student ID: Student Signature:		5006		
Q1.	(a) F (b) I (c) C	the circuit in Fig. 1, if $v = 10e^{-4t} V$ and $I = 0$ Find <i>R</i> and <i>C</i> . Determine the time constant. Calculate the initial energy in the capacitor. Detain the time it takes to dissipate 50 percess i $R \ge C$ Figure 1	nt of the initial energy. + v -	Marks 02 CLO 01
Q2.	and para syste	20-V dc generator energizes a motor whose α resistance of 100 Ω . A field discharge resiled with the motor to avoid damage to the mem is at steady state. Find the current throug the breaker is tripped.	stor 400 Ω of is connected in notor, as shown in Fig. 2. The	Marks 03 CLO 03



