Name:		
Grade and Section:	Score: /10.0	
Date:		
Quiz # 5 on Direct-Current Circu	uits	Newton School of Bright minds inc.
GENERAL INSTRUCTIONS:		DROIT MINDS INC.
 Use No. 2 pencil only to shade your answer. To cold answer and shade the new one. You may request whenever you need to. Scientific calculators are allowed while other elections. Any form of cheating in examinations or any act shall be subject to disciplinary action. 	t a scratch paper from the proctor ctronic devices are prohibited.	ur
I. Multiple Choice. Shade the letter of the BEST answe	r (5 points).	
1. In a parallel combination of resistors, the cur	rent is	
a varying	b same	
c greater in value	d lesser in value	
2. In a series combination of resistors, the volta	ge drop is	
a varying	b same	
c greater value	d lesser value	
3. What happens to the energy when the electronst bulb?	n goes into the 2nd bulb after pas	ssing through the
a greater energy	b lesser energy	
c increasing power	d decreasing power	
4. When resistors are connected in parallel, who	at happens to their resistance?	
a more than the smallest resistance	b within the values of large resistance	es and smallest
c less than the smallest resistance	d depends on the voltage d	rop

5. The Kirchhoff's rule on voltage drops is consistent with

(a) energy conservation

(b) impulse and momentum

c conservation of charge

(d) angular momentum conservation

II. True or False. Determine whether the statements are TRUE or FALSE by shading the BEST ANSWER (3 points).

6.	. When the capacitor is fully charged, the potential difference across the resistor becomes zer	Ό,
	the current becomes zero and the voltage appears now at the capacitor.	

a) True

(b) False

7. **Galvanometer** is a device used in detecting the presence and direction of electric current in the device.

a True

b) False

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8.	Both ammeter and voltmeter are used to measure the resistance or power.
	(a) True (b) False
	Problem Solving. Solve the given problem. Write your GIVEN, REQUIRED, SOLUTION and box your final swer with proper statement (2 points).
9.	How long would it take for the capacitor to reach 4.1 V if it has a 1 μF and connected with 2800 Ω resistor.