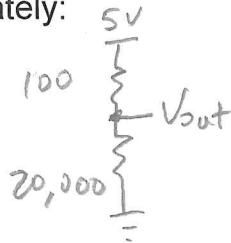


## Lab Quiz 2

Closed Book and Notes – TI 30II XS Calculator Allowed

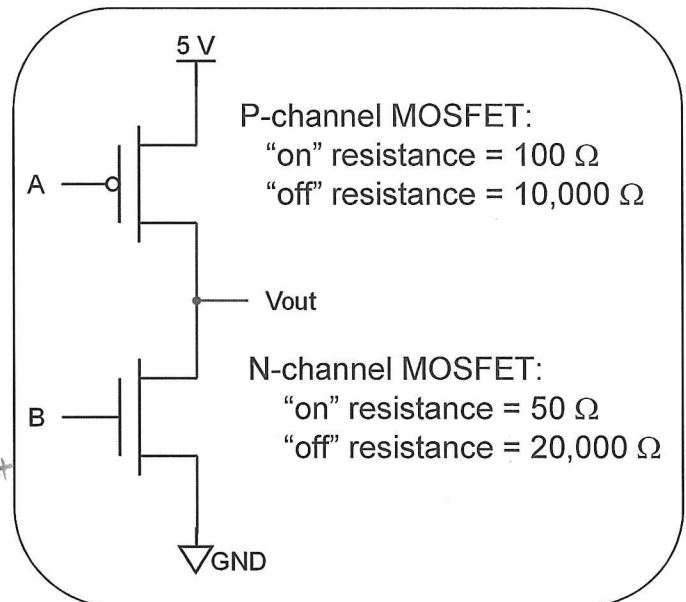
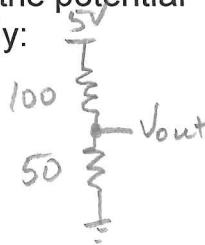
1. When  $A = 0\text{ V}$  and  $B = 0\text{ V}$ , the potential at  $V_{out}$  will be approximately:

(A) 0.025 V  
 (B) 2.500 V  
 (C) 3.333 V  
 (D) 4.975 V  
 (E) none of the above



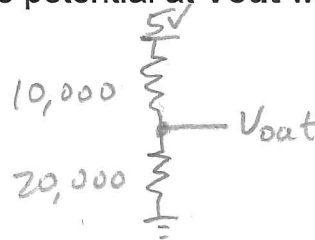
2. When  $A = 0\text{ V}$  and  $B = 5\text{ V}$ , the potential at  $V_{out}$  will be approximately:

(A) 0.025 V  
 (B) 1.667 V  
 (C) 3.333 V  
 (D) 4.975 V  
 (E) none of the above



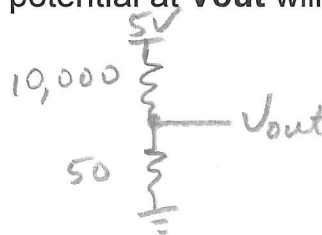
3. When  $A = 5\text{ V}$  and  $B = 0\text{ V}$ , the potential at  $V_{out}$  will be approximately:

(A) 0.025 V  
 (B) 2.500 V  
 (C) 3.333 V  
 (D) 4.975 V  
 (E) none of the above



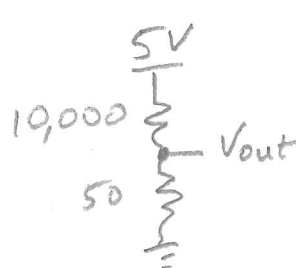
4. When  $A = 5\text{ V}$  and  $B = 5\text{ V}$ , the potential at  $V_{out}$  will be approximately:

(A) 0.025 V  
 (B) 2.500 V  
 (C) 3.333 V  
 (D) 4.975 V  
 (E) none of the above



5. When  $A = 5\text{ V}$  and  $B = 5\text{ V}$ , the amount of power dissipated by this circuit will be approximately:

(A) 0.833 mW  
 (B) 1.244 mW  
 (C) 2.488 mW  
 (D) 166.7 mW  
 (E) none of the above



$$P = \frac{(5)^2}{10,050} = 0,002488\text{ W}$$

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SOLN KEY

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