In the Name of God				
Quiz 2			Name:	
Course: Power Ele	ectronics		Student Number:	
1- Which Switch	has fast switching	speed?		
1) BJT	2) MCT	3) IGBT	4)MOSFET	
2- The maximum junction temperature of a transistor is $T_j = 150^{\circ}C$ and the ambient temperature is				
$T_A = 25^{\circ}C$. If the thermal impedances are $R_{JC} = 0.4^{\circ}C/W$, $R_{CS} = 0.1^{\circ}C/W$ and $R_{SA} = 0.5^{\circ}C/W$.				
Calculate:				
a) The maximum pb) The case temper	*			
		In the	Name of God	
Quiz 2	, .	In the	Name:	
Course: Power Ele				
Course: Power Ele 1- Which Switch	has fast switching	speed?	Name: Student Number:	
Course: Power Ele 1- Which Switch			Name:	
Course: Power Ele 1- Which Switch 1) BJT	has fast switching 2) MCT	speed? 3) IGBT	Name: Student Number: 4)MOSFET	
Course: Power Ele 1- Which Switch 1) BJT 2- The maximum j	has fast switching 2) MCT unction temperature	speed? 3) IGBT of a transistor is 7	Name: Student Number: 4)MOSFET $T_j = 150^{\circ}C$ and the ambient temperature is	
Course: Power Ele 1- Which Switch 1) BJT 2- The maximum j $T_A = 25^{\circ}C$. If the	has fast switching 2) MCT unction temperature	speed? 3) IGBT of a transistor is 7	Name: Student Number: 4)MOSFET	
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