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College of Engineering Department of Mechanical Engineering



MECH 453 Int. to Renewable Energy	1st Exam	Date: 9/6/2021
Student Name:	ID#:	
(1) Renewable Energy is an energy so	ource that	is:
(2) Combustion of Fossil Fuels Relation (2), resulting in	eases the	Greenhouse Gases
(3) The "greenhouse effect" is:		
(4) Solar Photovoltaic (PV) is:		
(5) Wind energy is generated by:		

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(6)	Band gap energy (Eg) is:
(7)	A typical silicon PV cell is composed of:
	The main advantages of Photovoltaic systems over conventional power-generating technologies are:
(9)	During a given season, the Sun's path affects the length of and amount of daylight received along a .

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(10) Sun Tracking were the individual PV panel:	
(11) A typical silicon PV cell is composed of:	
(12) The Maximum power point (MPP) is:	
GOOD LUCK, Prof. Jamal Nazzal	