Philadelphia University Faculty of Engineering Dept. of Mechatronics Engineering



Student Name: Student Number:

First Exam, First Semester: 2014/2015

Course Title: Engineering Skills Course No: (0640253)	Date: 16/04/2015 Time Allowed: 50 minutes	
No. of Pages: 3 Please choose your lecture		
Dr. Mustafa Al-khawaldeh	Eng. Yousef Shatnawy	Α
Question 1: Multiple Choice Question		(8 marks)
1. Which of the following DOES	NOT fall into civil engineers roles?	
<ul><li>a) Developing roads</li><li>b) Designing water system</li></ul>	c) Designing manufacturing too d) Constructing airports	ols
2. The skills below are consider		
<ul><li>a) Dependability</li><li>b) Teamwork</li></ul>	c) Design d) Motivation	
	echanics and control happened during	ng the:
<ul><li>a) Industrial age</li><li>b) Ancient age</li></ul>	c) Middle age d) Renaissance age	
<ul> <li>4. Which of the following is true</li> <li>a) Uncritically believes the calcula</li> <li>b) Relies on a single reading</li> <li>c) Understands the problem befored</li> <li>d) a+b</li> </ul>	ator answers	
called	nptions, break boundaries, see in a compact of the	new way is
6. Motivation, a requirment for p		
<ul><li>a) The skill to coordinate activities</li><li>b) Finding a reason to follow throu</li></ul>	•	
<ul><li>c) The process of applying knowle</li><li>d) The translation of physical prob</li></ul>	edge	
	ed by reviewing the theory of the pro	oblem at hand
<ul><li>a) Mathematical problem</li><li>b) Design problem</li></ul>	<ul><li>c) knowledge problem</li><li>d) troubleshooting problem</li></ul>	
<ul> <li>8. Which of the following behavior</li> <li>a) Learn from accidents</li> <li>b) Have only engineering and physic</li> <li>c) Have good visualization skills</li> <li>d) Makes analogies</li> </ul>	iors <u>DO NOT</u> describe creative engir	neers?

•	list 4 challenges faced by engineers for moon landing mession	<u>(2 marks)</u>
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•	Engineers usualy work in constrains( i.e limited resources) such as:	(1.5 marks)
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•	List the 5 problem solving skills	(2.5 marks)
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