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Family Name					
Given Name/s					
Student Number					
Teaching Period	Semester 1, 2018				

PRT571 – Asset Security and Risk Management	DURATION	
	Reading Time:	10 minutes
	Writing Time:	180 minutes
INSTRUCTIONS TO CANDIDATES		
<p>Answer all sections in this question paper.</p> <p>Write down the question numbers attempted in the first page of our answer booklet</p>		
EXAM CONDITIONS		
<p><u>You may begin writing from the commencement of the examination session.</u> The reading time indicated above is provided as a guide only.</p>		
This is a CLOSED BOOK examination		
No calculators are permitted		
No handwritten notes are permitted		
No dictionaries are permitted		
ADDITIONAL AUTHORISED MATERIALS	EXAMINATION MATERIALS TO BE SUPPLIED	
No additional printed material is permitted	1 x 20 Page Book	

**THIS EXAMINATION IS PRINTED
DOUBLE-SIDED.**

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LEFT BLANK.**

Section A

This section is mandatory.

Total No of Marks for this Section: 10

Answer these questions in the Examination Booklet

Marks for each question are indicated. Suggested time allocation for Section A: 40 mins

Mike and Iris met to discuss the strategic plan that would be presented at the upcoming company-wide strategic planning workshop. Iris discovers an element of the IT strategic plan stating that IT will reduce costs by implementing a specific new technology. But, Iris knows that technology has not been shown to reduce costs even though it does improve the quality of IT services.

Based on the above scenario, answer the questions below:

1. What do you think Iris should do?
 - a. Should Iris challenge Mike on these issues? or
 - b. Should Iris leave that subject alone? –

Justify your answer with relevant examples.

(05 Marks)

2. Consider the professional ethics of this situation.

Is Iris ethically obligated to raise the issue with higher management?
What would you do if you were in Iris's position?

Justify your answer with valid points.

(03 Marks)

(02 Marks)

Section B

Answer any Eight (08) questions ONLY.

Total No of Marks for this Section: 40

Answer these questions in the Examination Booklet

Marks for each question are indicated. Suggested time allocation for Section A: 140 mins

1. Critically analyse the following statement:
Information security policy is vital to the success of the Information security program?
(05 Marks)

2. List and describe three approaches to policy development outlined in the unit. (02 Marks)
In your opinion, explain with justification which approach is best suited for use by smaller organisations.
(03 Marks)

3. List and describe the steps in Risk identification. (03 Marks)
Next, critically analyse these steps outlining where relevant any changes that need to occur providing your reasons
(02 Marks)

4. List and explain the three common approaches to implementing the defense risk control strategy.
Provide examples of each.
(05 Marks)

5. How does Microsoft define "Risk Management"?
How does the Microsoft definition differ from other risk management practices discussed in the unit?
(05 Marks)

6. Compare data classification models and clearance levels. Explain what each is and then outline their differences.
(05 Marks)

7. Describe with examples the criteria used to determine whether an actual security incident is occurring.
(05 Marks)

8. Critically analyse the differences between authentication and authorization?
Can a system permit authorisation without authentication?
Justify your answers with examples.
- (05 Marks)
9. Critically analyse the different risk control strategies providing examples for each.
In your opinion is there any easy method of controlling risk?
- (05 Marks)
10. There are multiple controls or countermeasures used to control Information Security risk.
In your opinion which of these controls are least expensive providing justifications and examples as part of your explanation.
- (05 Marks)
11. There are various ways in which access control could be categorised.
Identify at least two approaches to categorise access control methodologies and specify the types of controls found in each.
- (05 Marks)
12. Assume company X had created a contingency plan, but it has not been tested.
The CEO of the company is very reluctant to test the contingency plan saying that “all will be fine”.
What would be your strategy to convince the CEO to test the contingency plan.
- (05 Marks)

!End!