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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER I  
SESSION 2014/2015**

**COURSE NAME : INFORMATION SECURITY  
PROJECT MANAGEMENT**

**COURSE CODE : BIS 30703**

**PROGRAMME : 3 BIS**

**EXAMINATION DATE : DECEMBER 2014 / JANUARY 2015**

**DURATION : 3 HOURS**

**INSTRUCTION : ANSWER ALL QUESTIONS**

**THIS QUESTION PAPER CONSISTS OF FOUR (4) PAGES**

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- Q1**
- (a) Discuss the effect of organization without information security. (2 marks)
  - (b) Explain why prevention is the best ways to support information security compare with remediation. (4 marks)
  - (c) Explain **FOUR (4)** success factors when managing information security project. (4 marks)

- Q2**
- (a) Explain the reason a proposal IT project is needed in early stage. (2 marks)
  - (b) UTHM has a system used by top university executives including vice chancellor.  
  
Describe how **Confidentiality, Integrity and Authenticity** parameter can help to define potential security problem in the above scenario. (6 marks)
  - (c) Justify **FOUR (4)** potential project stakeholder to be involved in your planning team if you were assigned as an IT security project manager for banking industry. (8 marks)
  - (d) Discuss the risk of IT security project if the stakeholders are changed. (4 marks)

- Q3**
- (a) Discuss **FOUR (4)** elements that need to be considered when developing project task. (12 marks)
  - (b) Explain the importance of completion criteria when preparing project task. (4 marks)

- (c) Explain 8/80 rule when defining the schedule. (2 marks)

**Q4** You have been assigned to an IT security project risk team of five members. This is the first time your organization has formally set up a risk team for a server protection project, it is hoped that your team will develop a process that can be used on all future projects. Your first team meeting is next week. Each team member has been asked to prepare for the meeting by developing the following project task in handling project risks.

- (a) Propose **TWO (2)** team objectives. (4 marks)

- (b) Organise **THREE (3)** processes to handle risk events. (6 marks)

- (c) Plan **TWO (2)** team activities. (4 marks)

- (d) Analyse **THREE (3)** team outputs. (6 marks)

- Q5** (a) Prepare **FIVE (5)** completion criteria of strong password for network password policy. (10 marks)

- (b) You are driving to a project status report meeting with your client. You encountered a significant technical problem on the project that has put your project behind schedule. This is not good news because completion time is the number one priority for the project. You are confident that your team can solve the problem if they are free to give their undivided attention to it and that with hard work you can get back on schedule. You also believe if you tell the client about the problem, she will demand a meeting with your team to discuss the implications of the problem. You can also expect her to send some of her personnel to oversee the solution to the problem. These interruptions will likely further delay the project. (Hint : You are allowed to assume any technical problems that may happen).

Compose a report about the current status of the project.

(10 marks)

**Q6** (a) Explain the purpose of Work Breakdown Structure (WBS) in IT security planning. ( 2 marks)

(b) **FIGURE Q6(b)** shows the activities for IT security project in tabular form. Create Work Breakdown Structure (WBS) organized by level based on **FIGURE Q6(b)**.

<u>IT Security</u>	
1.0	Concept
1.1	Evaluate current security systems
1.2	Define requirement
1.2.1	User requirement
1.2.2	Content requirement
1.2.3	System requirement
1.2.3.1	Software
1.2.3.2	Hardware
1.2.4	Server requirement
1.3	Define Risk and Risk Management
1.4	Develop project plan
1.5	Select IT security team
2.0	Security Design
3.0	Security Development
4.0	Roll out
4.1	Launching
5.0	Support
5.1	Training
5.2	Maintaining

**FIGURE Q6(b)**

(10 marks)

**- END OF QUESTION -**