



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2021/2022**

COURSE NAME : INFORMATION SECURITY PROJECT
MANAGEMENT

COURSE CODE : BIS 30703

PROGRAMME CODE : BIS

EXAMINATION DATE : JANUARY / FEBRUARY 2022

DURATION : 3 HOURS

INSTRUCTION : 1. ANSWER ALL QUESTIONS
2. THIS FINAL EXAMINATION IS
CONDUCTED ONLINE AND CLOSE
BOOK

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

- Q1
- (a) What are **TWO (2)** main differences between IT Project and Information Security Project?
(4 marks)

 - (b) Justify **TWO (2)** reasons why most of the companies reluctant in investing money for Information Security Project.
(4 marks)

 - (c) List **SEVEN (7)** agenda for Post Project Review.
(4 marks)

 - (d) Rani is an IT project manager who wants to have her IT project completed in the next nine months. The cost of her project is \$300,000. After four months, \$100,000 has been spent, and 40% of the work has been completed.

Calculate the project's Cost Variant (CV) and figure out if she is over budget or under budget.
(4 marks)

 - (e) Discuss **TWO (2)** differences between Administrative Closure and Contract Closure.
(4 marks)

Q2

You are a project manager for Project A. The goal of the project is to provide secured environment to the payment system for Company Reassured.com. In your team you have a number of developers, system administrators, network technicians and also administration staff. You try to work as a team. However, one of your administrator keep failing to response with most of the issues brought out by the team. He did not want to communicate with his subordinate and leave them to make any decision in the project. You have tried to motivate him to become more responsible in his work. However, he still repeats the same mistake. He did not want to follow your instruction and you are not sure who he will listen to. He seemed not stable in mental and spiritual. His attitude causes many delays in the project and eventually affect the team performance.

Based on the given scenario, answer the following questions.

- (a) Give **TWO (2)** reasons why is it good to escalate the problem to the management.
(4 marks)

- (b) Give **THREE (3)** reasons people is reluctant to do escalation procedure.
(6 marks)



Q3 You are managing a security project to develop a new network setup with a secured communication for Station.com, a distributor for machinery tools. The Director decided to expand the business with the opening of new branch in Melaka. You are currently performing a monitoring and controlling project activity, and you have discovered that some of the project works have not been performed according to the plan. A sudden change of the top management changes the direction of the company. In addition, a special tool is needed to check the vulnerabilities of the network. It is expensive and requires an expert to handle the tool. Since the network consultant leave the company, there is nobody that can be trusted to handle the tool. Then, it being reported that there are some issues in handling data being shared and transferred within the business. They are not yet checked to comply with Health Insurance Portability and Accountability Act of 1996 (HIPAA). With a very tight budget, you need to fix the problem. In additional to the current issue, one of the key stakeholders make a change request to one of the modules in the project. The request is regarding a module that is not in the original specification but if it not being addressed, the network will leave with an open hole for attacks.

Based on the given scenario, answer the following questions.

- (a) Justify **FOUR (4)** constraints that will limit or delay you to complete the project for Station.com. (16 marks)

- (b) Explain **THREE (3)** benefits of security compliance for Station.com. (6 marks)

- (c) In order to address the change request by the stakeholder, justify **FOUR (4)** ways to accept or not accept the change request with regarding the original specification. (6 marks)

- (d) Justify your decision either accept or not accept the request. (2 marks)

Q4 SecureSolution.com is a company tendered to provide communication service to the government department in Putrajaya. It is a two floors building situated in Cyberjaya. SecureSolution.com is responsible to provide communication means and maintenance to all the government building. Since the communication is one of National Critical Infrastructure (CNII) the Board decided to enhance the security for SecureSolution.com. The Board has hired a security consultant to assess the company security. From the report, the consultant advise the company to look into a way to secure communication for certain department within the company itself. A breach in this organization will jeopardized the secrecy and confidential data of the government. The wireless service should also be secured to prevent any interception from the outsiders. However, SecureSolution.com should not ignore the threats that come within the company. They need to enforce access control to certain systems and infrastructures. The data center should be secured physically and logically. The management of the company concerned about the security of the service department due to many confidential data and information passing through in here. Therefore, a work on backup or redundancy is crucial. Assuming you are assigned as a project manager to improve the security of the department. However, after quick observation you have noticed that the security should not only cover the department but the whole two floors building. The main tasks of the project are to hardening the communication, the database system and the physical security.

- (a) Illustrate using Individual Security Area Project (ISAP) diagram for ComNet.com. (10 marks)
- (b) Prepare Work Breakdown Structure (WBS) for the project. (10 marks)

- END OF QUESTIONS -

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