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| Image result for logo utem jawi  **ONLINE EXERCISE SELF-REVIEW**  **FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI**  **UNIVERSITI TEKNIKAL MALAYSIA MELAKA** | | |
| **PHYSICAL SECURITY & ELECTRONIC SURVEILLANCE** | | |
| **BITS 2423** | **SEMESTER 2** | **SESSION 2020/2021** |

**ONLINE LAB EXERCISE: INFORMATION SECURITY CONTROL**

1. **Learning Outcomes**

By the end of this course, the student will be able to:

1. Understand the category of information security control
2. Understand the types of information security control
3. Design a secure architecture based on category and types of information security control
4. **Introduction**

The goal of this online laboratory exercise is to provide a self-review questions for student to have a better understanding on the information security control topic. Student is required to read the notes and view the video provided. This is not an assessment, but review questions for student own understanding. Student is not required to submit the review questions.

1. **Self-Review Questions**
2. Explain the purpose of preventive countermeasure.

* to ensure confidentiality, integrity and availability of data

1. Mantrap is a type of preventive control example. True or False?

* true

1. A detective controls mitigate the intrusion attempts. True or False?

* false, detective controls reacts to intrusion

1. List (5) FIVE detective controls that you may encounter.

* physical sensors (alarms)
* IDS (intrustion detection system)
* CCTV
* physical inventory checks
* controls assessment

1. This type of information security control restores the breakdown system to normal function of operations. For example, updating an outdated antivirus or restoring data from a recent backup. Based on the provided scenario, name the type of information security control.

* Recovery control

1. Deterrent Control creates a scenario that discourage the attacker from doing the crimes or malicious intents. Based on the event explained is it True or False?

* True

1. The Recovery Countermeasures help the system to return to its normal condition before attack occurred. List (3) three examples of recovery control that you know.

* database backup
* software backup
* restore points

1. What does the compensating control provide?

* measures react to incident so that its less likely to recur