UTHM
Universiti Tun Hussein Onn Malaysia

# UNIVERSITI TUN HUSSEIN ONN MALAYSIA

## FINAL EXAMINATION
## (SUMMATIVE ASSESSMENT)
## SEMESTER II
## SESSION 2019/2020

| | | |
|---|---|---|
| COURSE NAME | : | COMPUTER SECURITY |
| COURSE CODE | : | BEC 41903 |
| PROGRAMME CODE | : | BEJ |
| EXAMINATION DATE | : | JULY 2020 |
| DURATION | : | 3 WEEKS |
| INSTRUCTION | : | ANSWER **ALL** QUESTIONS |

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THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

## INSTRUCTIONS:

1. Students should work individually for this project.

2. Plagiarism will not be permitted in student's project. The similarity report should be below 30% for every case study.

3. All documentations for this case study project should be typed properly (12 points, Times New Roman, 1.5 spacing, 3 - 5 pages only).

4. Report should contain **Introduction, Problem, Solution, Conclusion** and **References**.

5. Report is evaluate based on the **analytical skills rubric** shown in **Table 1.**

6. Submit report online via **UTHM Author Platform.**

| **Case Study 1** |
| --- |
| **Attack Experiences** |
| Based on your personal experiences or those of someone you know (you may have to interview other students or a friend), write a paragraph regarding a computer attack that occurred. When did it happen? What was the attack? What type of damage did it inflict? How was the computer fixed after the attack? What could have prevented it? |
| **Case Study 2** |
| **Online Backup Services** |
| There are several good online backup services that can help make data backup easy for the user. Use any search engine you are familiar with to search for any online backup service reviews, and select three different services. Research these services and note their features. Create a table that lists each service and compare their features. Be sure to also include the costs. Which backup services would you recommend? Why? |
| **Case Study 3** |
| **Best Practices for Access Control** |
| Search any **journal** for one instance of a security breach that occurred for each of the four best practices of access control (separation of duties, job rotation, mandatory vacations and least privilege). Write a short summary of that breach. Then, rank these four best practices from most effective to least effect. Give an explanation of your rankings. |

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**Table 1:** Analytical Skills Rubric

| TRAITS | Poor<br>0 - 1 | Average<br>2 - 3 | Exemplary<br>4 - 5 | Score |
|---|---|---|---|---|
| Identify and clearly state the *problem* | Identified some, but not all of issues as they pertained to the problem | Identified and presented a good understanding of the problem | Identified the best alternatives that reflected an in-depth understanding of the problem | |
| Cite the *evidence* showing the existence of the problem | Identifies the some of the evidence that should be considered to solve the problem | Identifies the important evidence that should be considered to solve the problem | Identifies important and less obvious evidence reflecting a thorough understanding of the problem | |
| *Analyze* the problem presented | The student was able to perform some of the analysis required but could not fully justify their decision with appropriate information or knowledge | The student was able to analyze and justify their analysis with appropriate information or knowledge | The student was able to fully analyze the appropriate information and displayed knowledge at an unusual level of depth and understanding | |
| Present a thoughtful *solution* to the problem | The student evaluated whether important information should be changed or dropped in a way that reflects understanding of the problem | The student evaluated whether important information should be changed or dropped in a way that reflected a deep understanding of the problem | The student evaluated whether important information should be changed or dropped in a way that reflects an in-depth understanding of the problem. This level of understanding would have the student offer alternatives if appropriate | |

**-END OF QUESTIONS -**

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