



**COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE**

**CIS207: FOUNDATIONS OF SECURITY**

**END OF SEMESTER EXAMINATIONS**

**NOVEMBER 2019**

**LECTURER: KANDIERO, A**

**DURATION: (3HRS)**

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### **INSTRUCTIONS**

1. Choose **All** questions from **Section A** and **THREE** questions in **Section B**.
  2. Use only the Examination Answer Book provided. Obtain a Continuation Answer Book if necessary.
  3. Write legibly and concisely
  4. You are expected to give a critical analysis of each question.
  5. Provide the following information on the cover page of the Examination Answer Book.
    - 5.1 Write your University I.D. number clearly in the space provided. Do not write your name on the Answer Book.
    - 5.2 Write the Course Code & Course Title indicated above in the space provided.
    - 5.3 For Faculty write 'CBPLG'
    - 5.4 For Academic Year write 2018/2019
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## **Section A: Answer ALL Questions**

1. Why security? **[5 Marks]**
2. What to secure? **[10 Marks]**
3. What are potential losses due to security attacks **[10 Marks]**
4. What are the five elements of computer security? Describe each and give a vivid examples **[10 Marks]**
5. What are the definitions for the following computer security terminologies? **[5 Marks]**
  - a. Virus
  - b. Firewall
  - c. Social engineer
  - d. Vulnerability
  - e. Antimalware

## **Section B: Choose any THREE questions**

Question 1: Computer Security – Disaster Recovery

- a. What is Encryption? **[5 Marks]**
- b. Define and give key tenets of at least five tools used in Encryption **[15 Marks]**

Question 2: Computer Security – Policies

- a. Define the notion of computer security policy and give an example **[5 Marks]**
- b. Outline and describe the five categories of computer security policies **[15 Marks]**

Question 3: Computer Security – Antiviruses

- a. With the aid of a concept diagram outline and describe the basic functions of antivirus engines **[10 Marks]**
- b. What are the main categories of Malware, give examples for each category? **[5 Marks]**
- c. What are the main characteristics of any virus that infects our computers? **[5 Marks]**

Question 4: Computer Security - Legal Compliance

- a. What are the main computer security compliances **[5 Marks]**
- b. Select one computer security compliance and give a detailed account **[15 Marks]**

**All the Best!!**

**PBoa Sorte!!**