

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF CRIMINOLOGY AND SECURITY STUDIES

CRSS 435: PHYSICAL SECURITY II

STREAMS:

TIME: 2 HOURS

DAY/DATE: MONDAY 20/09/2021

8.30 A.M – 10.30 A.M

INSTRUCTIONS

■ Answer question ONE (Compulsory) and any other TWO questions

QUESTION ONE

- (a) Explain FIVE strategies used to reinforce good security lighting. [5 marks]
- (b) Describe FIVE levels of physical security and examine the characteristics of each level. [10 marks]
- (c) Using an organization of your choice for illustration, discuss important information that should be included in security plan / master plan. [15 marks]

QUESTION TWO

- (a) Briefly explain the following concepts in video analytics.
- (i) Fixed algorithm analytics [3 marks]
 - (ii) Artificial intelligence learning algorithms. [4 marks]
 - (iii) Facial recognition systems. [3 marks]
- (b) Discuss the application of video analytics in the contemporary security environment. [10 marks]

QUESTION THREE

- (a) Examine 3 categories of communication. [5 marks]
- (b) Giving specific examples, discuss 5 management counter measures to control theft in an organization. [15 marks]

QUESTION FOUR

- (a) Examine 3 categories of communication. [5 marks]
- (b) Formulate a comprehensive security plan using protection in depth to address risk to a petroleum and oil processing facility. [15 marks]

QUESTION FIVE

- (a) Outline 4 strategies of maintaining reasonable security of keys in an organization. [5 marks]
 - (b) Develop a design reference theft for an organization of your choice and elaborate the mitigation strategies for the identified threats. [15 marks]
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