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UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF ARTS IN
CRIMINOLOGY AND SECURITY STUDIES**

CRSS 435: PHYSICAL SECURITY II

STREAMS: B.A. (CRSS)

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- **Answer question ONE and any other TWO.**
- **Question ONE carries 30 marks while all others are 20 marks each.**

QUESTION ONE

a) A global security firm is investing in predictive security strategies and big data analytics.

Develop an implementation plan for using predictive analytics to enhance physical security.

(10 marks)

b) Analyze the potential risks and challenges associated with the adoption of emerging security technologies in critical infrastructure protection.

(10 marks)

c) Critically evaluate how global security challenges (e.g., cyber threats, terrorism) will shape the future of physical security innovations.

(10 marks)

SECTION B

QUESTION TWO

A national critical infrastructure facility is vulnerable to both physical and cyber threats.

- a) Discuss five risk mitigation strategies that can be implemented to protect critical infrastructure.

(10 Marks)

- b) Examine five key factors to consider when developing a force protection plan for such a facility. (10 Marks)

QUESTION THREE

Surveillance technologies are becoming increasingly important in modern security operations.

- a) Explain three advantages and two limitations of using facial recognition technology in security operations. (10 Marks)
- b) Discuss how drones and robotics are transforming surveillance and emergency response. (10 Marks)

QUESTION FOUR

A financial institution is in the process of upgrading its physical security measures.

- a) Discuss five key considerations in designing an integrated security system for the bank. (10 Marks)
- b) Examine the role of command-and-control centers in coordinating security responses. (10 Marks)

QUESTION FIVE

The future of physical security is being shaped by emerging trends and innovations.

- a) Identify and discuss five global challenges that are impacting the future of physical security. (10 Marks)
 - b) Evaluate the role of predictive security strategies and big data analytics in crime prevention. (10 Marks)
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