



Strathmore
UNIVERSITY

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

MASTER OF ARTS IN DIPLOMACY, INTELLIGENCE AND SECURITY

END OF SEMESTER EXAMINATION

MDIS 8112 SCIENCE, TECHNOLOGY AND SECURITY POLICY

Date: 3rd May 2023

Time: 18:00 – 20:30

Instructions

1. This examination consists of **FIVE** questions.
 2. Answer **Question ONE (COMPULSORY)** and any other **TWO** questions.
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- 1) Your country has been granted permission to open an Embassy in a neighbouring state. There are thousands of your own citizens, operating businesses in the neighbouring state. The neighbouring state has weak security and technology systems and has been prone to terrorist attacks. Some of the terrorist organisations claim to have international links and are known to have used different types of technology and are known for targeting foreign embassies. Annually they have attacked at least two foreign embassies causing severe fatalities and loose of property. Some embassies have actually closed and moved away. Security assessment reports indicated that in some of the attacks, locally recruited staff members have collaborated with the terrorists and the terrorist organisation is investing towards integrating science and technology in their attacks. In addition, the neighbouring state is known to have high levels of corruption, which include falsification of travel and other official documents. Some embassies have been received and processed visa applications using fake documents. Consequently, they have let criminals and some terrorists into their own territories. Lastly, cyclones occasionally (once in ten years) hit the neighbouring country causing tremendous damage to property and loose of life.

Your Task

The Ministry of Foreign Affairs (MFA) needs advice from Science, Technology and Security Policy perspective on how to come up with an effective and cost-effective Security Plan for the new Embassy. The Ministry of Foreign Affairs has appointed you to be the Security Advisor and your task is to give them science, technology and security policy advice to consider before the opening of the Embassy.

- a) Describe some of the key steps you would take in developing an effective and cost-effective Security Plan for the Ministry of Foreign Affairs. Demonstrate how you will integrate science, technology and security policy in the Security Plan (20 Marks)
 - b) Recommend and justify security strategies you would recommend to the Ministry of Foreign Affairs. Demonstrate how you would integrate science, technology and security policy in the strategies you discuss (10 Marks)
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- 2) Examine Buzan (1986)'s Action-Reaction Model and its contribution to our understanding of arms race in contemporary international system. [15 Marks]
 - 3) Distinguish traditional approach to security from modern approaches to security [15 Marks]
 - 4) Analyse how Artificial Intelligence and Autonomous Technology have impacted contemporary security. [15 Marks]
 - 5) Assess any three security threats faced by states in the Horn and East Africa Region [15 Marks]