



**Strathmore**  
UNIVERSITY

**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES**  
**MASTER OF ARTS IN DIPLOMACY, INTELLIGENCE AND SECURITY**  
**END OF SEMESTER EXAMINATION**  
**MDIS 8221 CYBER SECURITY, CYBER WAR AND CYBER DETERRENCE**

**DATE: 26<sup>th</sup> August 2024**

**TIME: 18:00-20:30**

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**Instructions**

ANSWER SECTION ONE AND TWO ESSAY QUESTIONS IN SECTION TWO

**SECTION ONE**

IDENTIFY **THREE** OF THE FOLLOWING: SHOW WHO, WHAT, WHERE, HOW, WHEN, AND WHY IT IS IMPORTANT TO KNOW THE ITEM

1. Robert Morris worm
2. Critical Infrastructure
3. Malware Penetration, Exfiltration
4. Internet Protocol (IP)
5. DDOS Distributed Denial of Services
6. WANK Worms Against Nuclear Killers
7. WannaCry Ransomware attack
8. Stuxnet\_digital weapon
9. ARPA Advanced Research Projects Agency
10. Willis Ware

(20 Marks)

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**SECTION TWO**

ANSWER TWO QUESTIONS

1. What is the Fifth Domain and how is it different from the other Security Domains? Examine the arguments for and against the concept of Cyber Domain. (20 marks)
2. Is there such a thing as absolute cyber security or cyber deterrence? Give detailed reasons for your position. (20 marks)
3. Which countries, and why, are best equipped to engage in different types of Cyber Warfare? (20 marks)
4. With reference to GenZ uprising in Kenya, analyse the role of cyber power in forcing socio-political change. (20 marks)

5. How did the recent “Crowdstrike” malfunction in Texas affect critical infrastructure worldwide? Give examples. (20 marks)
6. How dangerous is the social media to the national security of any state? Can it be contained. (20 marks)