



SCHOOL OF COMPUTING AND ENGINEERING SCIENCES
MASTER OF INFORMATION SYSTEMS SECURITY
Final Examination

MST 8602: Cyber Crime, Law and Investigation

DATE: 30TH APRIL 2026

TIME: 2.5 Hours

Instructions: Answer Question 1 (Compulsory) and any other two Questions

Question 1 [30 marks]

- i. Briefly describe the following terminologies as used in the field of data protection. Illustrate with suitable examples **[18 marks]**
 - a) Data Subject
 - b) Data Controller
 - c) Joint Controller
 - d) Data Processor
 - e) Personal Data
 - f) Sensitive Personal Data
 - g) Consent
 - h) Pseudonymization
 - i) Personal data breach
- ii. Using appropriate examples, briefly explain 6 Data Subject rights applicable in the field of data protection **[12 marks]**

Question 2 [15 marks]

- i. Discuss 5 key principles that guide the protection of personal data. Illustrate your answer with suitable examples **[10 marks]**
- ii. Explain what is Data Protection Impact Assessment (DPIA) and explain how it is carried out? **[5 marks]**

Question 3 [15 marks]

- i. Kenya enacted the Computer Misuses and Cyber Crime laws in 2018 in order to address the computer misuse and cybercrime related issues. You are required to answer the following sub questions
 - a) State any three objectives of the Computer Misuse and Cyber Crime Act of Kenya **[3 marks]**
 - b) Briefly describe any four functions of the National Computer and Cybercrimes Co-ordination Committee as outlined in the Act **[4 marks]**

- c) Briefly describe any 4 functions carried out by the National Computer and Cybercrimes Co-ordination Committee in protecting critical cyber infrastructure **[4 marks]**
- d) List any 4 crimes that have been outlined by the Act **[4 marks]**

Question 4 [15 marks]

- i. A company has asked for your advice on dealing with security breaches that might occur in their organisation. Provide an overview of incident response planning that clearly explains what it is and outlines the stages involved **[7 marks]**
- ii. Highlight 5 differences between Digital evidence and Physical evidence **[5 marks]**
- iii. Briefly explain 3 reasons why it is important to take digital evidence to triage in a digital forensic lab? **[3 marks]**