

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF ARTS IN  
CRIMINOLOGY**

**CRSS 819: CRIME MAPPING AND ANALYSIS**

**STREAMS: MA CRIMINOLOGY**

**TIME: 3 HOURS**

**DAY/DATE: MONDAY 12/07/2021**

**2.30 P.M. – 5.30 P.M.**

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**INSTRUCTIONS:**

- **Answer question ONE and any TWO others.**
- **Use illustrations and examples when need be.**

1. (a) Trace historical development of the field of crime mapping since 1800s to the present time. (15 marks)
  - (b) Describe any SIX factors to consider when choosing data for crime mapping as far as data integrity issues are concerned. (15 marks)
  2. Examine FIVE common approaches and types of analyzing crime. (15 marks)
  3. (a) Explain the SARA approach as used in problem solving within the domains of crime solving. (12 marks)
  - (b) State THREE methods of communicating information about crime to a wide audience. (3 marks)
  4. (a) Assess FOUR subsystem components of a Geographic information systems based crime mapping. (12 marks)
  - (b) Differentiate between “metadata” and geocoding. (3 marks)
  5. Discuss challenges facing the adoption and utilization of GIS, remote sensing and geospatial intelligence in security sector within Kenya. (15 marks)
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