



*“Investing in Africa’s future”*

**COLLEGE OF SOCIAL SCIENCES, HUMANITIES, THEOLOGY &  
EDUCATION (CSSTHE)**

**HGE306: GEOGRAPHICAL INFORMATION SYSTEMS**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**MAY 2021**

**LECTURER: Dr D Mlambo**

**DURATION: Within 7 Hours**

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**GENERALINSTRUCTIONSTOCANDIDATES**

1. **Do NOT write your name on the answer sheet**
2. Answer One question from the Three questions
3. Begin your answer for each question on a new page
4. Each question is worth a total of **60 marks**
5. Credit will be given for neat, well-written and lucid work.

### **QUESTION 1**

Provide a detailed explanation of how conservation managers and practitioners can use GIS  
[60 marks].

### **QUESTION 2**

Discuss the various sources of GIS data and methods of data input into GIS [60 marks].

### **QUESTION 3**

Assess the relative strengths and weaknesses of raster and vector data structures GIS  
[60 marks].