



## **GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2017/2018 ACADEMIC YEAR TWO  
SECOND SEMESTER EXAMINATION**

**SCHOOL OF EDUCATION AND SOCIAL SCIENCES**

**FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)**

**COURSE CODE: GEO 225**

**COURSE TITLE: TECHNIQUES IN PRACTICAL GEOGRAPHY AND FIELD WORK**

**EXAMINATION DURATION: 3 HOURS**

**DATE: 13/04/18**

**TIME: 09.00-12.00 PM**

---

### **INSTRUCTION TO CANDIDATES**

- The examination has SIX (6) questions
- Question ONE (1) is COMPULSORY
- Choose any other THREE (3) questions from the remaining FIVE (5) questions
- Use sketch diagrams to illustrate your answer whenever necessary
- Do not carry mobile phones or any other written materials in examination room
- Do not write on this paper

**This paper consists of TWO (2) printed pages**

***please turn over***



### QUESTION ONE (COMPULSORY)

- (a) Describe any five (5)-map features that one can use in identifying the type of climate found over an area. **[15 marks]**
- (b) Explain how you would use any four (4) elements of a photograph in photo interpretation. **[10 marks]**

### QUESTION TWO

Jeremy walked along a 50-meter length eight times to calibrate his paces. His paces were: 50, 50, 49, 51, 49, 50, 50 and 51.

- i. Calculate his average pace length. **[2 marks]**
- ii. Derive a representative fraction ( RF), 1cm to 10 paces. **[3 marks]**
- iii. Two points are visible on a topographic map and an aerial photograph of the same area. The distance between them on the map is 10 cm while on the photo is 6 cm, the scale of the map is 1:20,000. Compute the scale of the aerial photograph. **[10 marks]**

### QUESTION THREE

As a physical planner in your County, you have been requested to map various geographic sites in the County map.

- i. Describe any three point data you will include in your map **[6 marks]**
- ii. Describe how you will map qualitative point data. **[9 marks]**

### QUESTION FOUR

- (a) Examine any three (3) ways by which a position of geographical features can be given on the map. **[9 marks]**
- (b) Describe the three types of norths as used in map work **[6 marks]**

### QUESTION FIVE

- (a) Describe the cadastral surveys and their uses. **[6 marks]**
- (b) Explain the use of any three (3) survey equipment. **[9 marks]**

### QUESTION SIX

As a Geography student, explain any five (5) uses of the skills acquired in this course for national development **[15 marks]**

