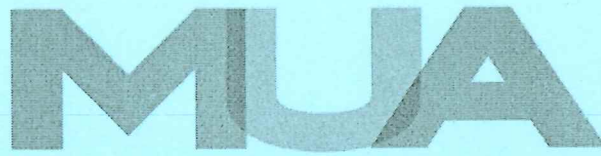


The
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UNDERGRADUATE UNIVERSITY EXAMINATIONS
SCHOOL OF MANAGEMENT AND LEADERSHIP
DEGREE OF BACHELOR OF EDUCATION ARTS

GEO 222: TECHNIQUES IN GEOGRAPY II: CARTOGRAPHY

DATE 27TH JULY 2022

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** Carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the examination answer booklet provided.

QUESTION ONE

Read the case study below and answer questions that follow:-

The art and science of Cartography has been practiced for a long time. It is associated with the evolution of communication by written language. Similarly map making is a record of the human endeavor to understand the environment from the immediate surrounding to the whole area. The making of maps depicts peoples attitude, beliefs and priorities at various times. The reflections in the early times were crude representations of locations on soft earth or scratched on rock.

Maps are classified into two. These are Topographic and Thematic maps. In the modern development of cartography, there is advancement in technology in which lithography, photography makes the study of geography more effective, realistic and interesting. Maps just like statistical method, summarize the location of different features both natural and man - made as they appear on the real earth's surface on a flat medium drawn to scale.

REQUIRED

- a) As a geography student, explain five ways cartography is applied in man's daily life. **(10 marks)**
- b) George is a teacher at Mwakoli Secondary School. He was teaching his students making maps as teaching aids. Assess five main component the students would apply in constructing the maps. **(10 marks)**
- c) Propose two major applications of Topographic maps George would teach his students. **(4 marks)**
- d) How would George describe the concept of a map to his students. **(1 mark)**

QUESTION TWO

- a) Geography students in Kabarak University are carrying out a project to reduce or enlarge maps to be published for the new curriculum (CBC) in Nakuru County. Propose three major approaches they would indicate in their

proposal for the county assembly to allocate funding for the project.

(10 marks)

b) Analyze three disadvantages they would encounter in enlarging maps.

(3 marks)

c) With the introduction of modern technology suggest any two devices that can be used in enlarging and reducing maps in schools.

(2 marks)

QUESTION THREE

a) Evaluate five ways cartography is a communication process. (10 marks)

b) Propose five skills a teacher would inculcate to learners in the interpretation of maps. (5 marks)

QUESTION FOUR

a) Photography like cartography is a process of representing information on the earth's surface on a flat medium. Examine any five geographical skills to apply for accurate photograph interpretation. (10 marks)

b) Suggest five skills a geography teacher would inculcate to his students in drawing maps. (5 marks)

QUESTION FIVE

a) Aerial photographs are pictures taken from an aircraft with vertical or oblique viewpoint. Evaluate five benefits they possess over maps in gathering topographical information. (10 marks)

b) Propose five geographical topics a geography teacher can teach with the aid of photographs. (5marks)

QUESTION SIX

a) Using the knowledge you have acquired in cartography. Analyze, giving one example each five classifications of thematic maps. (10 marks)

b) Students in Bandari School were drawing the cross - section of Kenya.

Assess three major skills they would apply for accurate drawing. (3 marks)

c) Propose two skills inculcated to learners in interpreting cross - sections.

(2 marks)