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THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
ADVANCED CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

113/1 **GEOGRAPHY 1**

(For School Candidates Only)

Time: 3 Hours ***Tuesday, 9th February 2010 p.m.***

INSTRUCTIONS

1. This paper consists of **thirteen (13)** questions in sections A and B.
2. Answer a total of **five (5)** Questions: **two (2)** questions from section A and **three (3)** questions from section B. Question number **one (1)** is compulsory.
3. Question number **one (1)** carries 36 marks, the **rest** 16 marks each.
4. Credit will be given for use of relevant sketch maps and diagrams.
5. Map extract of UKIRIGURU Sheet 34/1 is included.
6. Electronic calculators and Cellular phones are **not** allowed in the examination room.
7. Write your **Examination Number** on every page of your answer booklet(s).

This paper consists of 3 printed pages

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SECTION A (52 marks)

Answer question **number 1** and any other question from this section.

1. Carefully study the map extract of UKIRIGURU Sheet 34/1 provided and answer the following questions.

   (a) Draw a map of a district found at the western part of the map by using the scale of 1:100000 and on it show the following:
   - (i) Boundary of the district
   - (ii) Mwanza – Shinyanga road
   - (iii) Usagara – Fela station road
   - (iv) Railway line
   - (v) Ngeleka Hill, Jijawenda Hill and Kagera Hill
   - (vi) Outcrop rock around Jijawenda Hill
   - (vii) Bridges along Fela station – Mwanza road

   (b) Describe the relief of the mapped area and show how it has influenced drainage of the area and settlement patterns.

   (c) Using concrete evidence from the map suggest the type of the climate of the area.

   (d) Find the backward bearing of Sangila Hill (grid reference 145022) from Ukiriguru dispensary (grid reference 029007).

2. Carefully study the following table which shows the average number of people per tractor by country then answer the following questions:

Country	Percentage of population in agriculture	Number of people for each tractor
Kenya	76	3006
Korea	45	1900
China	56	1247
Egypt	49	1117
Sudan	34	142
Burma	12	120
Sudan	04	38

   (a) Draw a pie chart to show the number of people per tractor per country.

   (b) Comment on the level of agricultural mechanization of each country.

3. Identify and explain the different sources of errors in chain surveying.

4. Describe the merits and demerits of structured interview in a field research.

5. (a) Explain the usefulness of photographs in obtaining field information.

   (b) Show the characteristics of High oblique photograph.

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SECTION B (48 marks)

Answer **three (3)** questions from this section.

6. Differentiate the following features/concepts:
   (a) Delta and Ria
   (b) Static and Dynamic rejuvenation
   (c) Hot spring and Thermal spring
   (d) Medial and Lateral moraines

7. Write an essay on the accordant and discordant drainage patterns.

8. "Mechanical and Chemical weathering in the tropics are related and influenced by the same factors." Discuss.

9. Explain the extent to which soil erosion is a natural and cultural catastrophe.

10. Giving vivid examples, explain the effects of diastrophic forces on the earth's crust.

11. Describe the factors which affect the amount of insolation on the earth's surface.

12. Examine the possible theories of mountain building.

13. Highlight the factors which influence the quantity and rate of accumulation of organic matter in the soil.

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