

273/1

GEOGRAPHY

Paper 1

Jul /Aug. 2023

2½ hours



**KAYUNGA SECONDARY SCHOOLS EXAMINATIONS COMMITTEE (KASSEC)
JOINT MOCK EXAMINATION 2023
Uganda Certificate of Education**

GEOGRAPHY

PAPER 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

- *This paper consists of parts I and II.*
- *Part I and section A of Part II are Compulsory.*
- *Answer only one question from section B of Part II.*
- *Answers to all questions must be written in the answer booklet provided.*
- *Any additional question(s) answered will not be marked*

Turn Over

PART I

OBJECTIVE TYPE QUESTIONS (30 MARKS)

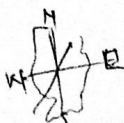
There are 30 compulsory questions. Each question carries one mark.

Write the letter corresponding to the correct answer for each question.

1. Lake Bunyonyi was formed as a result of
 - A. Warping
 - B. Faulting
 - C. Glaciation
 - D. Lava damming
2. Which one of the following minerals is mined in the Kimberlite rocks of Mwandui in Tanzania?
 - A. Gold
 - B. Coal
 - C. Copper
 - D. Diamonds
3. The major economic activity which is carried out along the slopes of Mt. Kilimanjaro is?
 - A. Forestry
 - B. Ranching
 - C. Crop cultivation
 - D. Wildlife conservation
4. Tea in East Africa best grows in soils which are
 - A. Leached
 - B. Volcanic
 - C. Alluvial
 - D. Laterite
5. Which one of the following fault scarps is found in Tanzania?
 - A. Nyando
 - B. Elgeyo
 - C. Chunya
 - D. Kavirondo

6. The major problem faced by fish farmers in Uganda is
- Shortage of capital
 - Limited market
 - Shortage of skilled labour
 - Limited land to construct fish ponds
7. The type of forests found along the coastal areas of East Africa are.....
- Mangrove forests
 - Montane forests
 - Tropical forests
 - Bamboo forests
8. Which one of the following towns in East Africa experiences hot and dry conditions in the months of May to October?
- Nakuru
 - Kitgum
 - Bukoba
 - Dodoma
9. The relationship between soil water content and drainage along a slope is known as a
- Soil pedon
 - Soil catena
 - Soil Profile
 - Soil Structure
11. Which of the following fish landing sites is found on Lake Edward?
- Wanseko
 - Ntoroko
 - Rwenshama
 - Kasenyi
12. The absence of coral reef along river mouths at the East African coast is mainly because of
- Muddy waters
 - Cool waters
 - Salty waters
 - Deep waters

13. The tourist industry is important in East Africa mainly because it has
- A. Promoted international cooperation
 - B. Led to wildlife conservation
 - C. Diversified the economy
 - D. Yielded foreign exchange
14. Mining of iron ore in south western Uganda is poorly developed because of the
- A. Mining technology applied
 - B. Quantity of mineral deposits
 - C. Quality of rock mineral ore
 - D. Depth of mineral bearing rock
15. The eroded material deposited along the sides of a glacier are known as
- A. Ground moraine
 - B. terminal moraine
 - C. Lateral moraine
 - D. Medial moraine
16. Which one of the following features is found in the senile stage of the river course?
- A. Gorge
 - B. Rapid
 - C. Estuary
 - D. Pothole
17. Which one of following pairs of game reserves are found in Tanzania?
- A. Kyambura and Bokora
 - B. Samburu and Boni
 - C. Bugungu and Ajai
 - D. Kizigo and Muhesi



18. The major factor which speeds up chemical weathering in East Africa is
- A. Climate conditions
 - B. Parent rock
 - C. Biological organisms
 - D. Steep gradient
19. The major cause of soil erosion in North Eastern Uganda is
- A. Bush burning
 - B. Over grazing
 - C. Strong winds
 - D. Clearing of the vegetation
20. The use of mechanized agriculture by small scale farmers in Eastern Uganda is mainly influenced by the
- A. Small size of the plots
 - B. Availability of loan capital
 - C. Ready market for their crops
 - D. Employ semi-skilled labour
21. The Temperature inversion in Kigezi highlands is caused by
- A. Instability in the atmosphere
 - B. Cool air descending into the valley
 - C. Saturation of air
 - D. Warm air rising by convection
22. Cottage industries have been developed in East Africa because they
- 1. Are capital intensive
 - 2. Use locally available raw materials
 - 3. Encourage rural urban migration
 - 4. Earn foreign exchange
- A. 1 and 3
 - B. 1 and 2
 - C. 2 and 3
 - D. 2 and 4



23. Which of the following towns developed due to the presence of mineral deposits?
- A. Dodoma
 - B. Marsabit
 - C. Voi
 - D. Tororo
24. A conservation area for wild animals facing extinction is known as
- A. Zoo
 - B. Sanctuary
 - C. Game reserve
 - D. National park
25. The major reason for transporting petroleum using pipelines from the coast of East Africa is the
- A. Increased speed of delivery
 - B. Reduced costs of transportation
 - C. Minimized losses of fuel in transit
 - D. Improved security of goods from theft
26. Coffee growing in Uganda has been mainly limited by
- 1. Pests and diseases
 - 2. Inadequate capital
 - 3. Labour shortage
 - 4. Heavy rainfall
- A. 1 and 2
 - B. 2 and 4
 - C. 1 and 3
 - D. 2 and 3
27. Which one of the following pair of rivers drain into Lake Victoria?
- A. Kafu and Katonga
 - B. Katonga and Nile
 - C. Rwizi and Mpologoma
 - D. Katonga and Kagera

28. Lines drawn on the map indicating areas that receive same amounts of sunshine are called
- A. Isotherms
 - B. Isobars
 - C. Isohels
 - D. Isonephhs
29. Mass wasting in highland areas of East Africa can best be controlled by
- A. Planting trees
 - B. planting cover crops
 - C. Contour ploughing
 - D. Crop rotation.
30. Savanna areas in East Africa are mainly used for
- A. Hunting
 - B. Bee keeping
 - C. Wildlife conservation
 - D. Crop cultivation

PART II
MAPWORK, PHOTOGRAPH INTERPRETATION, FIELD WORK AND EAST AFRICA

Answer four questions from Part II including 1, 2 and 3 which are compulsory.

SECTION A

1. COMPULSORY QUESTION MAP WORK (20 MARK)

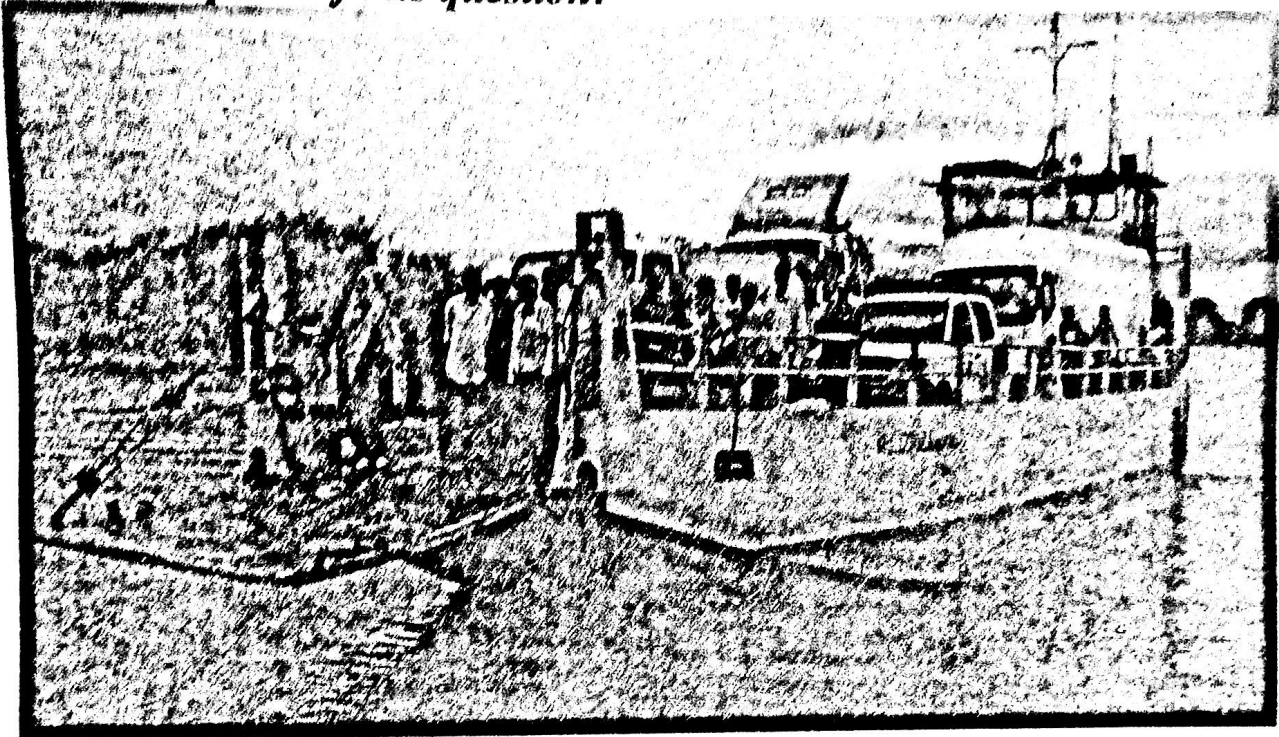
Answer all parts of this question.

Study the **1:50,000 (UGANDA) BULISA** map extract provided, series Y732 part of sheet 29/4; Edition 30USD and answer the following questions.

- (a) (i) State the grid reference of the air photo principal point at Paraa. **(01 mark)**
- (ii) Identify the feature at grid reference 241313. **(01 marks)**
- (b) (i) Calculate the amplitude of relief shown on the map. **(02 marks)**
- (ii) Measure and state in metres the distance of the loose surface road between eastings 25 and 30. **(02marks)**
- (c) Draw a cross section along northing 39 and between eastings 20 and 29 on it mark and name the following:
- (i) Lake
- (ii) Swamp
- (iii) Loose surface road
- (iv) River **(07 marks)**
- (d) (i) Identify any types of settlement in the area shown on the map. **(03marks)**
- (ii) Describe the relationship between settlement and communication in the area. **(04marks)**

2. **COMPULSORY QUESTION: PHOTOGRAPHIC INTERPRETATION**
Answer all parts of this question.

(15 marks)



- (a) (i) Giving evidence, identify the type of photograph provided. **(02 marks)**
- (ii) State the activity taking place in the photograph. **(01 mark)**
- (b) Describe the factors favouring the activity in (a) above **(04 marks,**
- (c) Outline the problems facing the people and the activity identified in (a) above. **(03 marks,**
- (d) Explain the benefits of the activity to the people in the area. **(03 marks,**
- (e) Giving evidence for your answer, identify any one area in East Africa where the photograph could have been taken. **(02 marks,**

3. **COMPULSORY QUESTION: FIELD WORK QUESTION** **(15 MARKS)**

Answer **all** parts of this question.

For any **one** field work study, you have carried out **either** as an individual or as a Group.

- (a) State the:
- (i) Topic
 - (ii) Objectives
- (04 marks)**
- (b) Explain the preparations you made before going for fieldwork. **(03 marks)**
- (c) Describe how you used any **two** of the following methods to collect data from the field.
- (i) Recording
 - (ii) Observation
 - (iii) Questionnaire
 - (iv) Interview
- (04marks)**
- (d) Describe the relationship between **relief** and **land use** practices in the area where the fieldwork was carried out. **(04 marks)**

SECTION B:

EAST AFRICA (20 MARKS)

Answer **only One** question from this Section.

Study the table **1** below showing cocoa production in the different parts of Uganda and answer the questions that follow.

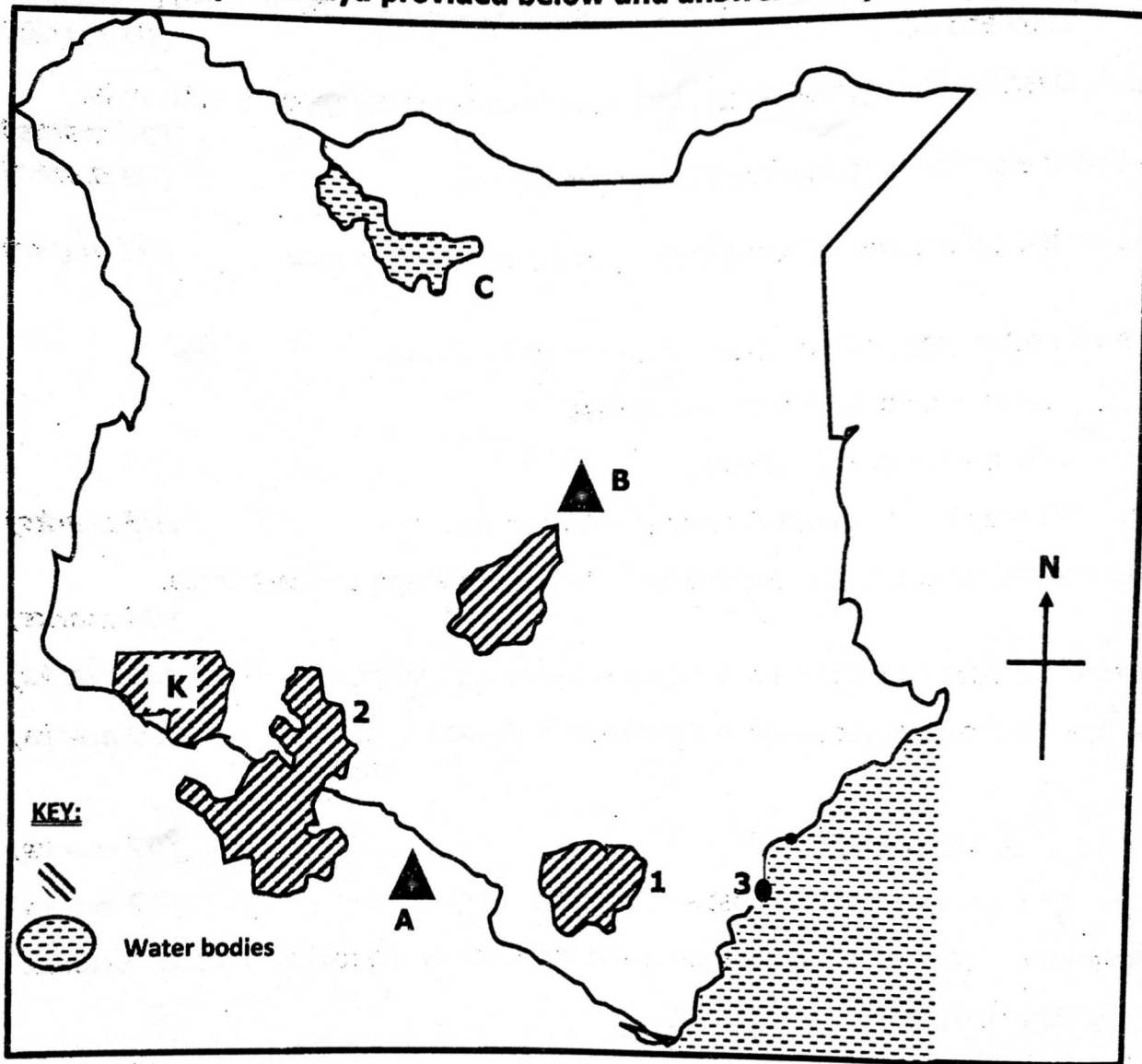
Table 1

Districts	2005	2007	2009	2011
Bundibugyo	28,000	35,000	32,000	36,000
Masindi	16,000	21,000	20,000	24,000
Buikwe	7,000	5200	5,800	6,000
Mayuge	12,000	13,000	14,200	17,000
Mukono	23,000	25,000	21,000	20,000

- (a) Draw a bar graph to represent cocoa production in 2009 outside Buganda region **(07 marks)**

- (b) (i) Calculate the percentage change in cocoa production in Bundibugyo between 2009 and 2011. **(01 marks)**
- (ii) Describe the physical factors that have favoured cocoa growing in Uganda. **(06 marks)**
- (c) Outline the problems facing cocoa growing in Uganda. **(04 marks)**
- (d) Explain the contribution of cocoa growing to the people of Uganda. **(02 marks)**
5. (a) Draw a sketch map of East Africa and on it mark and name;
- (i) Towns: Mombasa, Nairobi and Kasese
- (ii) Lakes: Victoria and Turkana
- (iii) Railway lines: Uganda Railway and Tanzam Railway. **(08 marks)**
- (b) Describe the factors for the development of Railway transport in East Africa. **(04 marks)**
- (c) Outline the advantages of railway transport over road transport. **(04 marks)**
- (d) Outline the problems facing railway transport in Uganda. **(04 marks)**
6. (a) (i) What is a **glacier**? **(02 marks)**
- (ii) Give any **two** areas in East Africa covered by glaciers. **(02 marks)**
- (b) Explain the processes which have led to the formation of the following glacial features.
- (i) Lateral moraine **(08 marks)**
- (ii) Arete **(04 marks)**
- (c) Describe the advantages of glaciation to the people of East Africa. **(04 marks)**
- (d) Outline the problems facing people who live near glaciated areas of East Africa. **(04 marks)**

7. Study the map of Kenya provided below and answer the questions that follow:



- (a) Name the:
- (i) Mountain A and B
 - (ii) Lake mark C
 - (iii) Game parks 1 and 2
 - (iv) Game reserve K
 - (v) Historical site 3
- (b) Explain the reasons why tourism is more developed in Kenya than in the other two East African countries. (07 marks)
- (b) State the benefits of tourism to the development of Kenya. (06 marks)
- (c) Outline the problems faced by the tourism industry in Kenya. (04 marks)
- (03 marks)

END