

273/1
GEOGRAPHY
Paper 1
July/August, 2023
 $2\frac{1}{2}$ Hours



MATIGO MOCK EXAMINATIONS BOARD

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) attempted will **not** be marked.*

Turn Over

PART I**OBJECTIVE – TYPE QUESTIONS (30 marks)**

*There are **30 compulsory** questions. Each question carries one mark. Answers to this part **must** be written on the answer booklet provided.*

1. Low population densities in Albertine flats is related to
 - A. Low and unreliable rainfall
 - B. Limited soil fertility
 - C. Limited economic activity
 - D. Poor infrastructure
2. The type of lava which is associated with the features of wide bases is
 - A. Acidic lava
 - B. Basic lava
 - C. Intermediate lava
 - D. Fluid lava
3. Vertical dissolving of mineral salts in humid areas of East Africa results into:
 - A. Loamy soils
 - B. Sandy soils
 - C. Alluvial soils
 - D. Ferric soils
4. Territorial air routes can best be improved by:
 - A. Revising air transport costs
 - B. Improving on political stability
 - C. Building many aerodromes
 - D. Modernising aero-transport
5. Rivers in the senile stage are associated with
 - A. Differed streams
 - B. Turbulent flow
 - C. Vertical erosion
 - D. Interlocking spurs
6. Bundibugyo district a potential cocoa growing area in East Africa due to;
 - A. Reliable rainfall
 - B. Developed transport
 - C. Ready market
 - D. Improved variety

7. Areas with the overhead sun are characterized by
 - A. Low atmospheric pressure
 - B. High atmospheric pressure
 - C. Low rainfall totals
 - D. Limited sunshine intensity
8. Giant Lobelias and groundsels are vegetation types common in;
 - A. Low altitudes
 - B. High altitudes
 - C. Low latitudes
 - D. High latitudes
9. Which of the following landforms are common in karst regions of East Africa
 - A. Ridges
 - B. Dolines
 - C. Knols
 - D. Kames
10. Wetland conservation around urban areas of Uganda has not been fully effected due to:
 - A. Land disputes
 - B. Industrial conurbation
 - C. Constant floods
 - D. Limited NEMA activities
11. The main role of agricultural research station is to;
 - A. Educate farmers on improved methods of farming.
 - B. Increase crops varieties grown in an area
 - C. Experiment on new crop varieties.
 - D. Establish types of crops to be grown.
12. The main factor limiting the growth of bamboo forests in East Africa is
 - A. Soils
 - B. Drainage
 - C. Altitude
 - D. Latitude
13. Which of the following coastal landforms is associated with retreating waves?
 - A. Cliffs
 - B. Stacks
 - C. Beaches
 - D. Arches

14. Secondary faulting within the East African as led to the formation of the
- A. Escarpments
 - B. Grabens
 - C. Rift valleys
 - D. Gorges.
15. The major factor affecting Steel recycling sector in East Africa is?
- A. Inadequate capital.
 - B. Insufficient market.
 - C. Shortage of raw materials.
 - D. Low level of technology.
16. The major problem limiting establishment of large scale power projects in East Africa is
- A. Fluctuating water supply.
 - B. Inadequate skilled labour.
 - C. Limited market.
 - D. Shortage of capital.
17. Rock exfoliates occur as a result of
- A. Freeze and thaw
 - B. Rock Disintegration
 - C. Pressure release
 - D. Temperature changes
18. The major problem facing the forestry industry of East Africa is;
- A. Frequent fires
 - B. Wild animals
 - C. Pests and diseases
 - D. Encroachment
19. Degazeting of Bugala forests in Kalangala district was aimed at promoting the growing of;
- A. Cocoa
 - B. Sugar canes
 - C. Oil palm
 - D. Pine trees

20. The major problem facing Lake Mburo national park is;
- A. Poaching
 - B. Land encroachment
 - C. Poor pastures
 - D. Prolonged drought
21. The major cause of deforestation of Namanve planted forest is;
- A. Lumbering
 - B. Industrialization
 - C. Urbanization
 - D. Agriculture
22. The relationship between soil water and slope is known as?
- A. Soil pedon
 - B. Soil catena
 - C. Soil Profile
 - D. Soil Structure
23. The major factor responsible for the spread of secondary vegetation in East Africa is
- A. Altitude
 - B. Latitudes
 - C. Man's activities
 - D. Climate
24. Wind erosion in the arid areas of East Africa has resulted into formation of;
- A. Moraine soils
 - B. Loess soils
 - C. Gneiss
 - D. Alluvial soils
25. Which one of the following is a major problem facing livestock rearing in the Semilik valley in East Africa?
- A. Wild animals attack
 - B. Prolonged droughts
 - C. Occasional floods
 - D. Insecurity

26. Settlement in the Serengeti plains of Tanzania is mainly influenced by
- A. Remoteness.
 - B. Wildlife conservation
 - C. Soil infertility.
 - D. The rain shadow effect.
27. The dominant weathering process in the wetlands of central Uganda is
- A. Hydrolysis
 - B. Aridity shrinkage
 - C. Pressure release
 - D. Exfoliation
28. Fishing activities on Lake Albert are mainly limited by.....
- A. Pollution.
 - B. Water weed.
 - C. Limited market.
 - D. Strong winds.
29. The current trend of growing temperate tree species in East Africa is attributed to;
- A. Fast maturing
 - B. Having a variety of uses
 - C. Being disease resistant
 - D. Promoting soil conservation
30. Which of the following has limited agricultural transformation in Somaliland of Kenya?
- A. Shortage of capital
 - B. Land tenure systems
 - C. Limited research
 - D. Soil exhaustion

SECTION A

PART II

MAP WORK, PHOTOGRAPHIC INTERPRETATION AND EAST AFRICA

*Answer **four** questions from part II, including Questions 1, 2 and 3 which are compulsory.*

COMPULSORY QUESTION: MAP WORK**(20 marks)**

Answer all parts of this question.

1. Study the 1:50,000(UGANDA), **BULISA** Map extract, part of sheet 29/4, Series Y 732: Edition 3-U.S.D. and answer questions that follow:
 - (a) (i) Identify the manmade feature at grid reference 208344. (01 mark)
 - (ii) State the grid reference of Bulisa road junction. (01 mark)
 - (b) Calculate the average height of Bulisa map extract. (02 marks)
 - (c) Draw a reduced map of the area shown on Bulisa map extract by scale factor 2 and on it mark and name:
 - (i) Vegetation types,
 - (ii) The Albert Nile,
 - (iii) Katara bay and headland,
 - (iv) Relief region below 2050ft (08 marks)
 - (d) (i) Describe the process of formation of in the region below 2050ft in c (iv) above. (04 marks)
 - (ii) Outline the probable limitation to the use of the relief region below **2050 ft** in (c) (iv) above. (04 marks)

2. COMPULSORY: PHOTOGRAPHY INTERPRETATION QUESTION
Study the photograph provided below and answers the question that follow



- (a) Draw a landscape of the area shown in the photograph and on it mark and name
- (i) Boulders
 - (ii) Water body
 - (iii) Vegetation types
 - (iv) Settlement
 - (v) Land use types
- (07 marks)
- (b) Outline the characteristics of the stream showed in the photograph. (04 marks)
- (c) Explain the limiting factor to the development of the area in the area of the photograph. (06 marks)
- (d) Giving reasons for your answer, suggest an area where the photography could have been taken. (02marks)

3. COMPULSORY FEILDWORK QUESTION
Answer all parts of this question.

For any one fieldwork study you have conducted on a small scale farm:

- (a) (i) State the topic, (02 marks)
- (ii) Outline the objective of the study. (02 marks)
- (b) Draw a layout of the area studied and on it, mark and name the:
 - (i) Physical features
 - (ii) Land use activities (05 marks)
- (c) Describe the relationship between relief and land use activities in the area studied. (03 marks)
- (d) Outline the field recommendations to the management of the area of study. (03 marks)

SECTION B:

EAST AFRICA (20 marks)

*Answer only **one** question from this section.*

- 4. (a) Draw a sketch map of East Africa and on it, mark and name;
 - (i) The equator
 - (ii) Two ferry routes
 - (iii) Navigable river system
 - (iv) Inland Ports; Kigoma and Port bell. (08 marks)
- (b) Explain the factors which have influenced the distribution of transport systems in East Africa. (05 marks)
- (c) Outline the problems limiting the use of water transport in East Africa. (04 marks)
- (d) Outline the contribution of transport sector to East African countries. (04 marks)
- 5. (a) Draw a sketch map of Uganda and on it, mark and label;
 - (i) any three natural forests
 - (ii) any two planted forests (05 marks)
- (b) Describe the factors that have influenced the distribution of Natural forests in Uganda. (06 marks)

(c) Explain the importance of the forest sector to the people of Uganda

(6 marks)

(d) Outline the factors responsible for the rapid depletion of forests in Uganda.

(3 marks)

6. Study the table below showing Tanzania's crop production in 2017 and 2018 in metric tonnes and answer the questions that follow.

Crop production	2017	2018
Tea	9,345.65	11,465.34
Sugar cane	48,064.98	51,602.40
Coffee	37,398.37	65,444.49
Tobacco	154,449.43	121,762.96
Sisal	21,667.54	15,676.443
Cloves	63,463.33	64,334.54

(a) Draw a pie chart to show relative importance of Tanzania's crop production in 2018.

(07 marks)

(b) Explain the factors which have led to the variation in crop farming in Tanzania.

(06 marks)

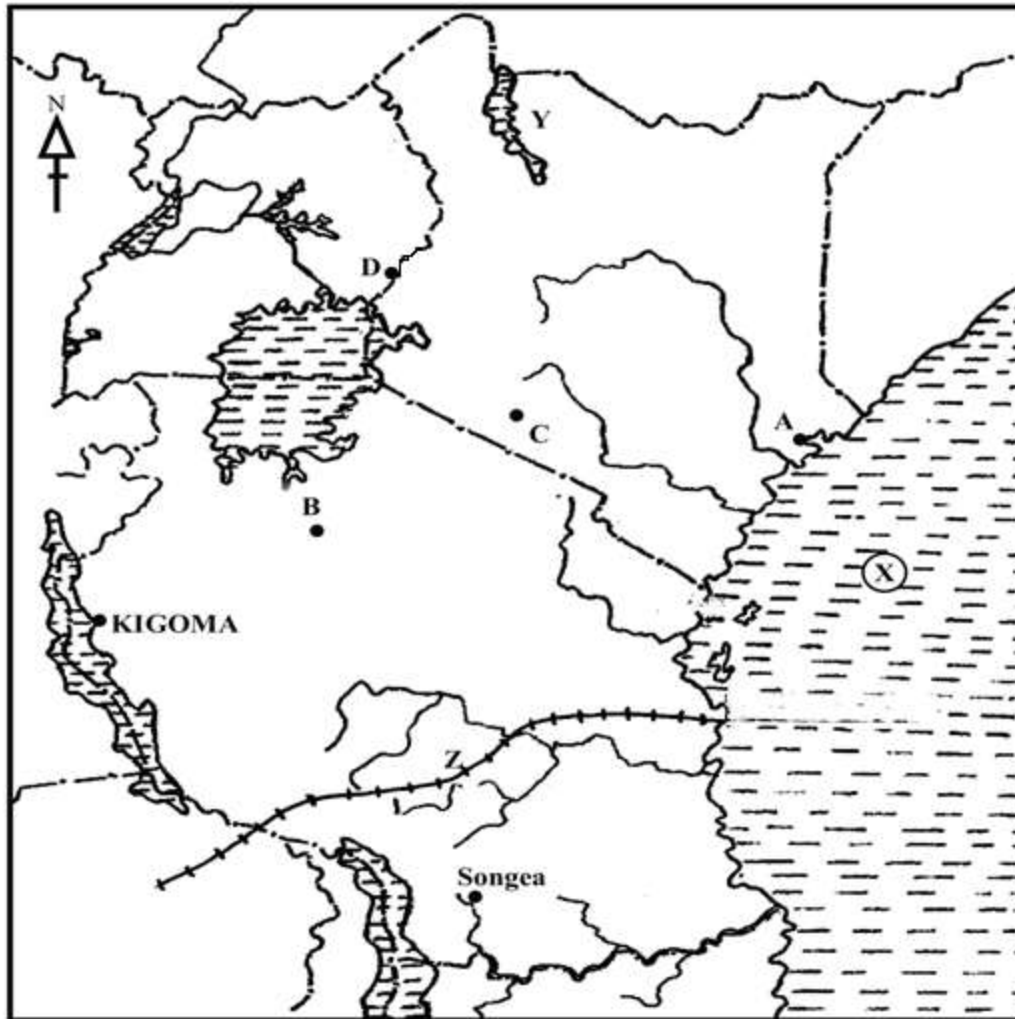
(c) Describe the contribution of commercial agriculture to the development of Tanzania.

(04 marks)

(d) Suggest measures that should be taken to promote agricultural sector in East Africa.

(03 marks)

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



- (a) Name the:
- port marked A,
 - water bodies marked X and Y,
 - mining centres marked B, C and D,
 - Railway line marked Z. (07 marks)
- (b) Describe the physical factors which have favoured mining activities in East Africa. (05 marks)
- (c) Explain the contribution of the mining industry to the development of East Africa. (05 marks)
- (d) Outline the effects of the mining activity on the environment in the mineral areas. (03 marks)

END