

P250 /1  
Geography  
(Physical geography)  
July / August 2009

3 hours

**WAKISSHA JOINT MOCK EXAMINATIONS**  
Uganda Advanced Certificate of Education

**GEOGRAPHY**

**PAPER 1**

**(PHYSICAL GEOGRAPHY)**

**3 HOURS.**

**INSTRUCTIONS:**

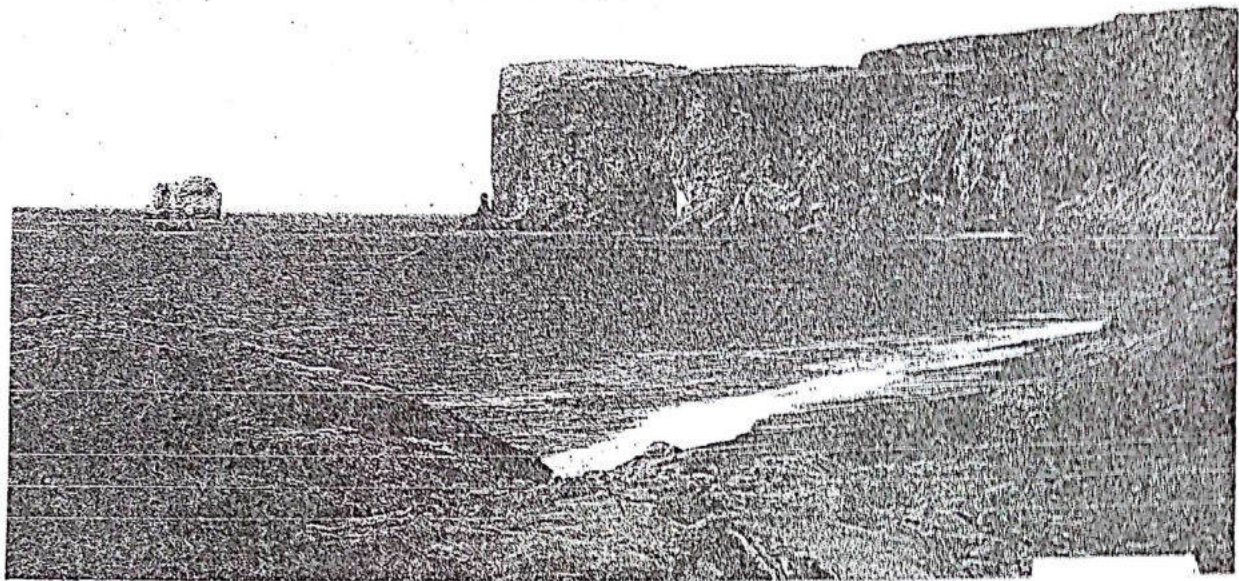
- Answer four (4) questions: section A is compulsory.
- At least one question should be answered from section "B" and one question from section "C"
- Credit will be given for use of relevant sketch maps, diagrams and specific examples studied in the field.

Either:

- (1) Study the 1:50,000 (UGANDA) KIGOROBYA series Y 732 part of sheet 38 /4 edition 2 US.D and answer the questions that follow.
  - (a) (i) State the grid reference of a secondary trigonometrical station at kibegeya conical hill.  
(ii) Name the man – made feature found at grid reference 164679
  - (b) (i) Measure and state in kilometers the distance of all weather loose surface road.  
(ii) State the bearing of an air- photo principal point, sortie Number 18 from Kibegenya secondary trigonometrical station.
  - (c) using a tracing paper, sketch out the area between Easting 21 and 29; and northing 66 and 75. on it mark and label.
    - (i) two physiographic regions
    - (ii) communication systems.
    - (iii) Drainage systems
    - (iv) Forested area
    - (v) Bugomolo estate.
  - (d) Describe the relief of the area shown on the map extract of kigorobyia.
    - (ii) Examine the relationships between relief and
      - communication
      - drainage

OR

Study the photograph provided below and answer the questions which follow.



- (a) Draw a landscape sketch of the area shown on the photograph. On it mark and label
  - (i) A stack
  - (ii) A cliff
  - (iii) A bay
  - (iv) A beach
  - (v) A cave
  - (vi) An arch
- (b)
  - (i) Identify the feature in the left middle ground of the photograph.
  - (ii) Describe the process involved in the formation of the identified landform.
- (c) Explain the economic activities which can take place in the area shown on the photograph.
- (d) Giving reasons, suggest an area in East Africa where the photograph could have been taken.



### SECTION B

- (2) Examine the influence of faulting on landform development in East Africa.
- (3) To what extent does rock structure influence relief in East Africa.
- (4) Examine the weathering processes dominant in the semi- arid areas of East Africa.
- (5) Account for the development of the landform in the Juvenile stage of a river.
- (6) Describe the influence of wave erosion on the coast of East Africa.

### SECTION C

- (7) Explain the influence of I.T.C.Z on the climate of East Africa.
- (8) (a) What is atmospheric pressure?  
(b) Explain the factors influencing atmospheric pressure in a place.
- (9) Account for the distribution of tropical rain forests in East Africa.
- (10) (a) Describe a fully developed soil profile.  
(b) Examine the process for soil profile development in E. Africa.

END

P250/1  
GEOGRAPHY  
(Physical Geography)  
PAPER 1  
July / August 2012  
3 hours



## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

GEOGRAPHY

(Physical Geography)

Paper 1

3 hours

### INSTRUCTIONS TO CANDIDATES:

*Answer four questions.*

*Section A is compulsory.*

*Answer one question from section B and one other question from section C.*

*Credit will be given for the use of relevant sketchmaps, diagrams and specific examples studied in the field.*

*Any additional question(s) attempted will **not** be marked*

## SECTION A

Questions 1 and 2 are compulsory

Study the 1:50,000 (UGANDA) APOKA map extract series Y732 (D.O.S 426) part of sheet 9/3, Edition 3 and answer the question that follow:

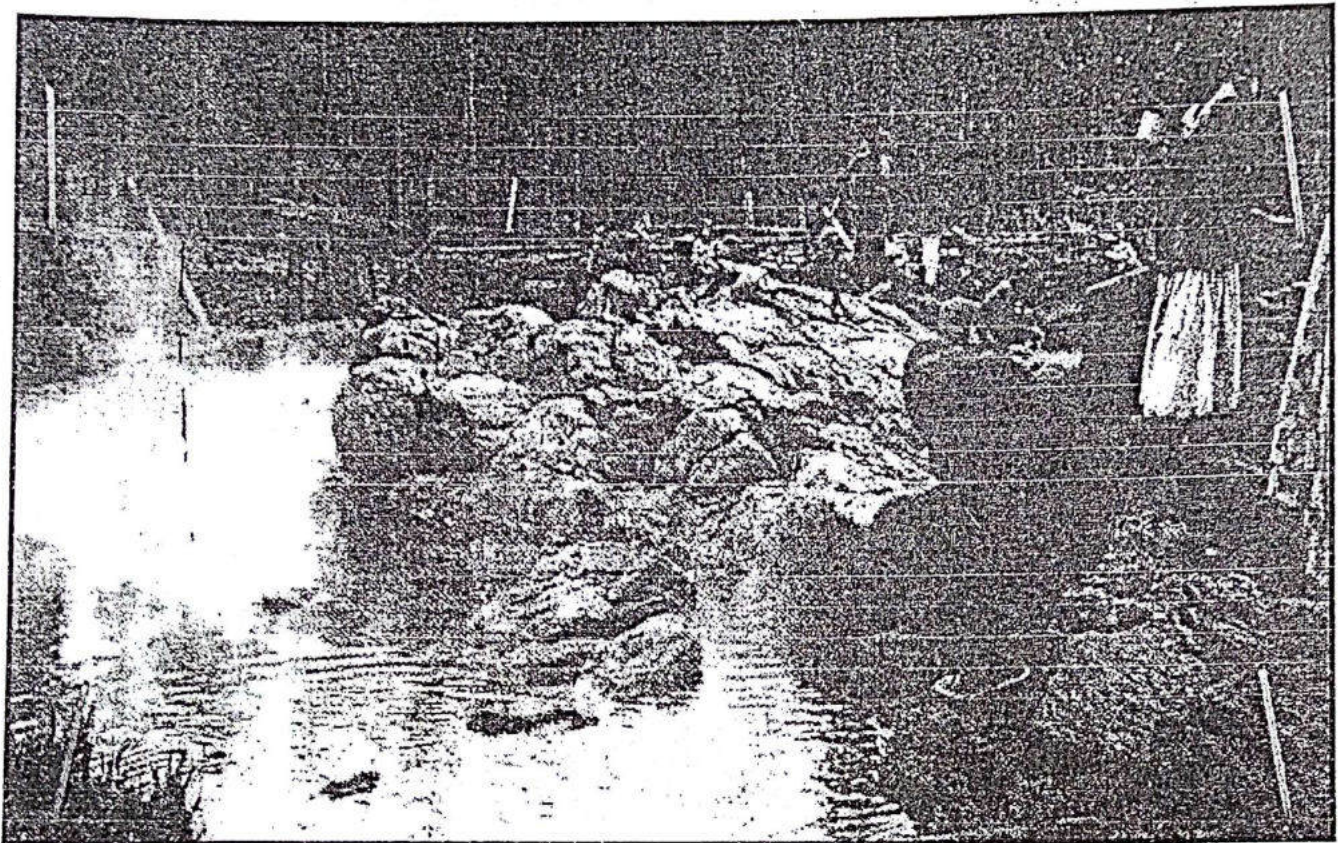
1. (a) (i) State the grid reference of a secondary trigonometrical station at Geremech. (1mark)  
  
(ii) Identify the feature found at grid refence 767113 (1mark)
- (b) State the bearing of Secondary trigonometrical station at Amobwasi (746121) from Air photo principal 005 (809091). (4mark)
- (c) i) Draw a reduced sketch map of APOKA by 30% and on it mark and label;
  - Any **three** physiographic regions
  - Forest areas
  - Swamps
  - Rivers: Lochorkinei and Akipoi(11marks)  
  
ii) Calculate the scale of the reduced sketch map. (1mark)
- (d) i) Describe the relief of the area shown on the map extract of APOKA. (4marks)  
  
ii) Describe the relationship between relief and
  - Drainage (3 marks)
  - Communication (3 marks)



# PHOTOGRAPHIC INTERPRETATION – QUESTION

## Compulsory

2. Study the photograph provided and answer the questions that follow;



- (a) Draw a landscape sketch of the area shown on the photograph and on it, mark and label;
- (i) Any **two** physiographic features
  - (ii) **Two** vegetation types
  - (iii) Rock out crops. (8 marks)
- (b) i) Identify the drainage feature found in the left middle ground. (1 mark)
- ii) Account for the occurrence of the drainage feature in (b)(i) above (10marks)
- (c) Explain the problems faced in the area shown on the photograph. (4 marks)
- (d) Giving reasons for your answer, suggest an area in East Africa where this photograph could have been taken. (2 marks)



## SECTION B

*Answer one question from this section.*

3. Examine the influence of plate tectonism on the evolution of landforms in East Africa. (25 marks)
4. To what extent has relief influenced the occurrence of landslides in East Africa. (25 marks)
5. Describe the causes and effects of river rejuvenation on landform development along a river's course. (25 marks)
6. Explain the influence of wind on landform development in Arid areas of Africa. (25 marks)

## SECTION C

*Answer one question from this section.*

7. Account for the climatic differences between Northern shores of lake Victoria and North Eastern Kenya. (25 marks)
8. a) Distinguish between solar radiation and terrestrial radiation. (6 marks)  
b) Examine the factors which influence the amount of solar radiation received in a place. (19 marks)
9. (a) Account for the occurrence of mangrove forests in East Africa. (15 marks)  
(b) Examine the economic importance of mangrove forest in East Africa. (10 marks)
10. To what extent has the parent rock influenced the process of soil formation in East Africa? (25 marks)

END



P250/1  
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PAPER 1  
July / August 2013  
3 hours



## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

GEOGRAPHY

(Physical Geography)

Paper 1

3 hours

### INSTRUCTIONS TO CANDIDATES:

*This paper consist of **three** sections A, B and C.*

*Answer **four** questions.*

*Section A is compulsory.*

*Answer **one** question from section B and **one** other question from section C.*

*Credit will be given for the use of relevant sketchmaps, diagrams and specific examples studied in the field.*

*Any additional question(s) attempted will **not** be marked.*

## SECTION A

Questions 1 and 2 are compulsory

### COMPULSORY MAP WORK QUESTION.

Study the map extract 1:50,000 (UGANDA) KIBANGA series Y732, part of sheet 71/4, Edition 3- U.S.D and answer the questions that follow;

1. (a) (i) State the grid reference for the road junction at Ngogwe. (01mark)  
(ii) Identify the feature found at grid reference 879168. (01mark)
- (b) State the trend of the loose surface road from Mulaje (grid reference 900274) to Buyikwe (grid reference 000273). (02mark)
- (c) (i) Enlarge the area between Eastings 85 and 89 and Nothings 12 and 15 by 2 times. Draw a sketch map of the area and on it, mark and label;
  - any **two** physiographic features
  - water body
  - a swamp
  - any **one** settlement pattern
  - a forest(10 marks)
- ii) Calculate the new scale of the enlarged sketch map in (c)(i) above. (02marks)
- (d) Describe the physical landscape of the area you have drawn in (c) (i) above. (05marks)
- (e) Account for the landscape types shown on the map extract. (04marks)



# COMPULSORY PHOTOGRAPHIC INTERPRETATION – QUESTION

2. Study the photograph provided and answer the questions that follow;



- (a) Draw a landscape sketch of the area shown in the photograph and on it, mark and label:
- (i) Drainage features
  - (ii) Relief types
  - (iii) Vegetation types (09marks)
- (b) Describe the characteristic features of the stage in which the landforms identified in (a) (i) above are found. (08marks)
- (c) Describe the formation of any **one** drainage feature identified in (a) (i) above. (08marks)
- (d) (i) Name the type of photograph provided above. (01 mark)
- (ii) Giving reasons to your answer, suggest **one** area in East Africa where this photograph could have been taken. (02 marks)



## SECTION B

Answer **one** question from this section.

3. (a) Distinguish between divergent and convergent convective currents. (8marks)  
(b) Describe the effects of divergent convective currents on landform development in East Africa. (17marks)
4. (a) To what extent are sedimentary rocks a result of organic processes in East Africa. (15 marks)  
(b) Examine the economic importance of sedimentary rocks in East Africa. (10 marks)
5. Account for the occurrence of erosional glacial landforms in the glacial troughs of East Africa. (25marks)
6. Explain the influence of marine erosional processes on the development of landforms at the coast. (25marks)

## SECTION C

Answer **one** question from this section

7. (a) Distinguish between Advection fog and Radiation fog. (06 marks)  
(b) Explain the causes and effects of fog on the surrounding areas. (19 marks)
8. (a) Describe the characteristics of ocean currents. (10 marks)  
(b) With reference to specific examples, examine the influence of ocean currents on the climate of the adjacent landmasses. (15 marks)
9. Account for the occurrence of Mabira type of vegetation in East Africa. (25 marks)
10. Examine the processes of soil formation in East Africa. (25 marks)

**END**



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July / August 2015  
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## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

GEOGRAPHY

(Physical Geography)

Paper 1

3 hours

### INSTRUCTIONS TO CANDIDATES:

*This paper consists of **three** sections A, B and C.*

*Answer **four** questions.*

*Section A is compulsory.*

*Answer **one** question from section B and **one** question from section C.*

*Credit will be given for the use of relevant sketch maps, diagrams and specific examples studied in the field.*

*Any additional question(s) answered will **not** be marked.*

## SECTION A

Questions 1 and 2 are compulsory

### COMPULSORY MAP WORK QUESTION.

1. Study the map extract EAST AFRICA 1:50,000(UGANDA) KIJURA series Y732, sheet 56/2 Edition 3, U.S.D. and answer the questions that follow:

- (a) (i) State the grid reference of the dispensary at Rukinga. (01 mark)  
(ii) Identify the feature found at grid reference 118008. (01 mark)
- (b) Giving evidence from the map extract;
  - (i) describe the location of Kijura, (02 marks)
  - (ii) state the height of Kiduru hilltop. (02 marks)
- (c) With the help of a tracing paper, draw a sketch map of the area on Kijura map extract between Easting's 10 and 16; and Northings 84 and 91.  
  
On it, mark and label;
  - (i) Transport routes,
  - (ii) Itwara Forest Reserve,
  - (iii) River Nyakabale,
  - (iv) any **two** relief regions. (10 marks)
- (d) Describe the;
  - (i) Physical landscape of the area. (03 marks)
  - (ii) Problems faced by the people living in the area. (06 marks)



## COMPULSORY PHOTOGRAPHIC INTERPRETATION – QUESTION

2. Study the photograph provided below and answer the questions that follow;



- (a) Draw a landscape sketch of the area shown on the photograph and on it, mark and label;
- (i) **Two** physiographic regions,
  - (ii) Vegetation types,
  - (iii) Land use patterns. (08 marks)

- (b) (i) Identify the type of occurrence shown on the photograph. (01 mark)
- (ii) Examine the causes of the occurrence identified in (b) (i) above. (07marks)

- (c) What are the effects of the occurrence identified in (b) (i) above? (06 marks)

- (d) Giving reasons for your answer, suggest an area in East Africa where this photograph could have been taken. (03 marks)



## SECTION B

*Answer one question from this section.*

3. (a) Distinguish between fault-guided valleys and grabens. (06 marks)  
(b) Account for the formation of grabens in East Africa. (19 marks)
4. Examine the processes responsible for the formation of sedimentary rocks in East Africa. (25 marks)
5. With specific reference to Mt. Rwenzori, account for the formation of glacial erosional features.

## SECTION C

*Answer one question from this section.*

6. (a) Distinguish between frontal/cyclonic Rainfall and Orographic Rainfall. (15 marks)  
(b) Describe the conditions leading to the formation of convectional rainfall in East Africa. (10 marks)
7. (a) Describe the characteristics of the semi – arid type of vegetation in East Africa. (10 marks)  
(b) Account for the existence of the semi-arid type of vegetation in East Africa. (15 marks)
8. To what extent are human factors responsible for the occurrence of soil erosion in East Africa? (25 marks)

**END**



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July / August 2015  
3 hours



## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

GEOGRAPHY

(Physical Geography)

Paper 1

3 hours

### INSTRUCTIONS TO CANDIDATES:

*This paper consists of **three** sections A, B and C.*

*Answer **four** questions.*

*Section A is compulsory.*

*Answer **one** question from section B and **one** question from section C.*

*Credit will be given for the use of relevant sketch maps, diagrams and specific examples studied in the field.*

*Any additional question(s) answered will **not** be marked.*

## SECTION A

Questions 1 and 2 are compulsory

### COMPULSORY MAP WORK QUESTION.

1. Study the map extract EAST AFRICA 1:50,000(UGANDA) KIJURA series Y732, sheet 56/2 Edition 3, U.S.D. and answer the questions that follow:
  - (a)
    - (i) State the grid reference of the dispensary at Rukinga. (01 mark)
    - (ii) Identify the feature found at grid reference 118008. (01 mark)
  - (b) Giving evidence from the map extract;
    - (i) describe the location of Kijura, (02 marks)
    - (ii) state the height of Kiduru hilltop. (02 marks)
  - (c) With the help of a tracing paper, draw a sketch map of the area on Kijura map extract between Easting's 10 and 16; and Northings 84 and 91.  
  
On it, mark and label;
    - (i) Transport routes,
    - (ii) Itwara Forest Reserve,
    - (iii) River Nyakabale,
    - (iv) any **two** relief regions. (10 marks)
  - (d) Describe the;
    - (i) Physical landscape of the area. (03 marks)
    - (ii) Problems faced by the people living in the area. (06 marks)



## COMPULSORY PHOTOGRAPHIC INTERPRETATION – QUESTION

2. Study the photograph provided below and answer the questions that follow:



- (a) Draw a landscape sketch of the area shown on the photograph and on it, mark and label;
- (i) **Two** physiographic regions,
  - (ii) Vegetation types,
  - (iii) Land use patterns. (08 marks)
- (b) (i) Identify the type of occurrence shown on the photograph. (01 mark)
- (ii) Examine the causes of the occurrence identified in (b) (i) above. (07marks)
- (c) What are the effects of the occurrence identified in (b) (i) above? (06 marks)
- (d) Giving reasons for your answer, suggest an area in East Africa where this photograph could have been taken. (03 marks)



## SECTION B

*Answer one question from this section.*

3. (a) Distinguish between fault-guided valleys and grabens. (06 marks)  
(b) Account for the formation of grabens in East Africa. (19 marks)
4. Examine the processes responsible for the formation of sedimentary rocks in East Africa. (25 marks)
5. With specific reference to Mt. Rwenzori, account for the formation of glacial erosional features.

## SECTION C

*Answer one question from this section.*

6. (a) Distinguish between frontal/cyclonic Rainfall and Orographic Rainfall. (15 marks)  
(b) Describe the conditions leading to the formation of convectional rainfall in East Africa. (10 marks)
7. (a) Describe the characteristics of the semi – arid type of vegetation in East Africa. (10 marks)  
(b) Account for the existence of the semi-arid type of vegetation in East Africa. (15 marks)
8. To what extent are human factors responsible for the occurrence of soil erosion in East Africa? (25 marks)

**END**



P250/1  
Physical Geography  
PAPER 1  
July/August 2017



## WAKISSHA JOINT MOCK EXAMINATIONS.

Uganda Advanced Certificate of Education.

GEOGRAPHY

(PHYSICAL GEOGRAPHY)

Paper 1

3 hours

### INSTRUCTION TO CANDIDATES.

*This paper consists of three sections A, B and C.*

*Answer four questions.*

*Section A is compulsory.*

*Answer one question from section B and one question from section C.*

*Credit will be given for the use of relevant sketch maps, diagrams and specific examples studied in field.*

*Any additional question(s) answered will **not** be marked.*

## SECTION A

Questions 1 and 2 are compulsory

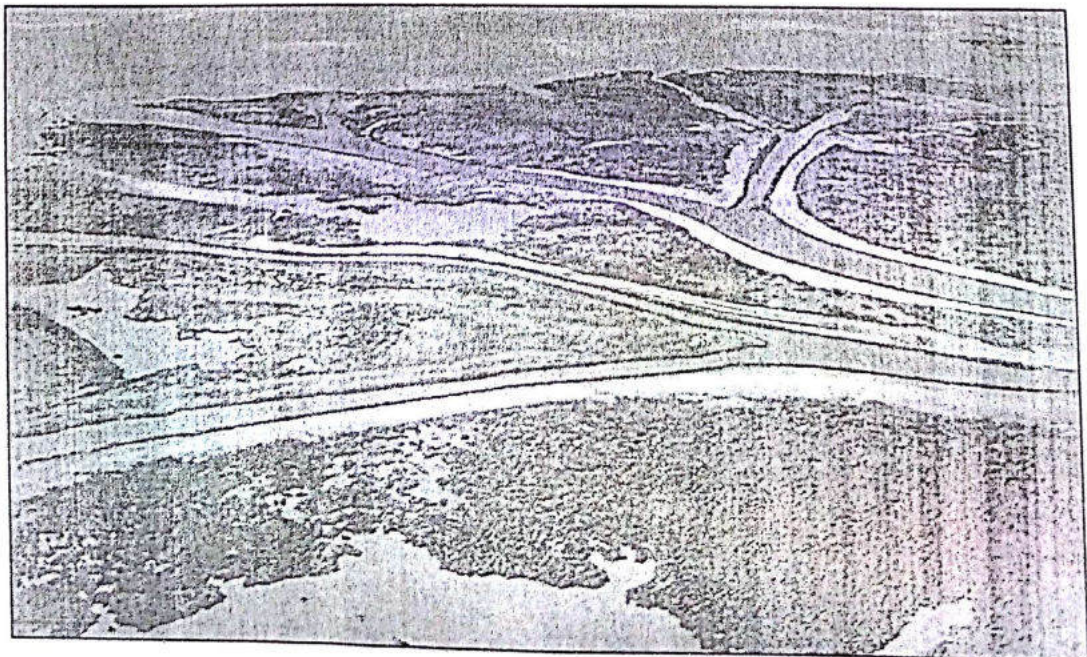
### COMPULSORY MAP WORK QUESTION.

1. Study the 1:50000 (UGANDA) MASINDI MAP extract, part of the sheet 39/3, series Y732, Edition 1 U.S.D and answer the questions that follow:

- (a) State the;
- (i) grid reference of the Culvert near Bizi. (01 mark)
  - (ii) name of the man-made feature found at grid reference 601919. (01 mark)
- (b) State the;
- (i) distance in kilometers of the dry weather road from the road junction near Bujenje (486768) to Budongo (430822). (02 marks)
  - (ii) height of palace hill peak in Masindi town. (01 mark)
- (c) Draw a cross section between grid reference 550790 and 600840, on it mark and name;
- any two relief regions,
  - dry weather road,
  - settlements,
  - river,
  - boundary.
- (10 marks)
- (d) Describe the;
- (i) Vegetation types, (04 marks)
  - (ii) relationship between vegetation and drainage, shown on the map extract. (06 marks)

### 2. PHOTOGRAPHIC INTERPRETATION (COMPULSORY QUESTION)

- (a) Study the photograph provided below and answer the questions that follow;





- (i) Name the type of photograph provided. (01 mark)
- (ii) Draw a sketch of the area shown on the photograph, on it mark and name;
- Levees.
  - Distributaries.
  - Lagoons.
  - River valley.
  - Vegetation types.
  - Water body.
- (09 marks)
- (b) (i) Account for the formation of lagoons shown on the photograph. (04 marks)
- (ii) Describe the conditions necessary for the formation of a delta. (04 marks)
- (c) Outline the importances of deltas to man. (05 marks)
- (d) Giving reasons for your answer, suggest an area in E. Africa where this photograph could have been taken. (02 marks)

### SECTION B

Answer one question from this section.

Justify the factors responsible for the distribution of continents and oceans. (25 marks)

To what extent has the nature of rock material encouraged landslides occurrence in East Africa. (25 marks)

Describe the formation of land forms resulting from destructive waves in East Africa. (25 marks)

### SECTION C

Answer one question from this section.

- (a) Distinguish between moist tropical climate and dry tropical climate. (10 marks)
- (b) Explain the factors that lead to a shift from moist tropical to dry tropical climate in East Africa. (15 marks)

To what extent has relief influenced the growth and distribution of natural vegetation in East Africa? (25 marks)

With reference to specific examples, examine the causes of soil erosion in East Africa. (25 marks)

END