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

113/1 **Geography 1**
(For Both School and Private Candidates)

Time: 3 Hours **Wednesday, 03rd May 2017 a.m.**

Instructions

1. This paper consists of **nine (9)** 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. In section A, question number **one (1)** carries **25** marks and the rest **15** marks, while in section B each question carries **20** marks.

4. Credit will be given for the use of relevant sketch maps and diagrams.

5. Map extract of Vanga (sheet 111/1) is provided.

6. Non programmable calculators may be used.

7. Cellular phones are **not** allowed in the examination room.

5. Write your **Examination Number** on every page of your answer booklet(s).

SECTION A (40 marks)

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

1. Study carefully the map extract of Vanga (sheet 111/1) provided and answer the following questions:

   (a) Calculate the area covered by mangrove swamp at Upwa Island.

   (b) Describe the nature of transport and communication system of the mapped area.

   (c) Comment on the population distribution of the area and briefly explain three factors that have influenced population distribution at Vanga area.

   (d) Comment on the nature of vegetation found at the area. Is there any relationship between climatic conditions found in the area with vegetation cover?

   (e) With support of examples, identify the economic activities carried out in the mapped area.

   (f) With vivid examples, determine the functions of Vanga sub-urban.

   (g) Describe four factors that have affected the composition of the mapped area.

2. Study carefully the data in the following table which shows the quantity (in thousands tones) of pyrethrum produced in Kenya from 1980 to 1989 and then answer the questions that follow:

Year	**1980**	**1981**	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**
Tones (000)	114	162	240	258	87	34	74	93	102	124

   (a) Present the data using divergent line graph.

   (b) Comment on the trend of production.

   (c) Give two merits and demerits of the divergent line graph.

3. During a Compass Survey an amateur Surveyor recorded 070° as forward bearings from point X to Y and 254° as back bearing.

   (a) Correct the discrepancy of these readings.

   (b) Identify four sources of errors during the Comass Survey.

4. (a) Calculate the photo distance provided that the map distance is 3 inches, map scale is 1:25,000 and photo scale is 1:18,750.

(b) Differentiate the following terms:

(i) Principal point and focal length.

(ii) Flying height and flight line.

(iii) Datum and mosaic.

SECTION B (60 marks)

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

5. "Wetlands are not Wastelands". Discuss by giving eight points.

6. With the aid of the diagrams, explain any five types of depressions in which lakes are formed.

7. Discuss eight factors that influence the variation in the amount of insolation received on the earth surface.

8. Discuss six theories which account for climatic change.

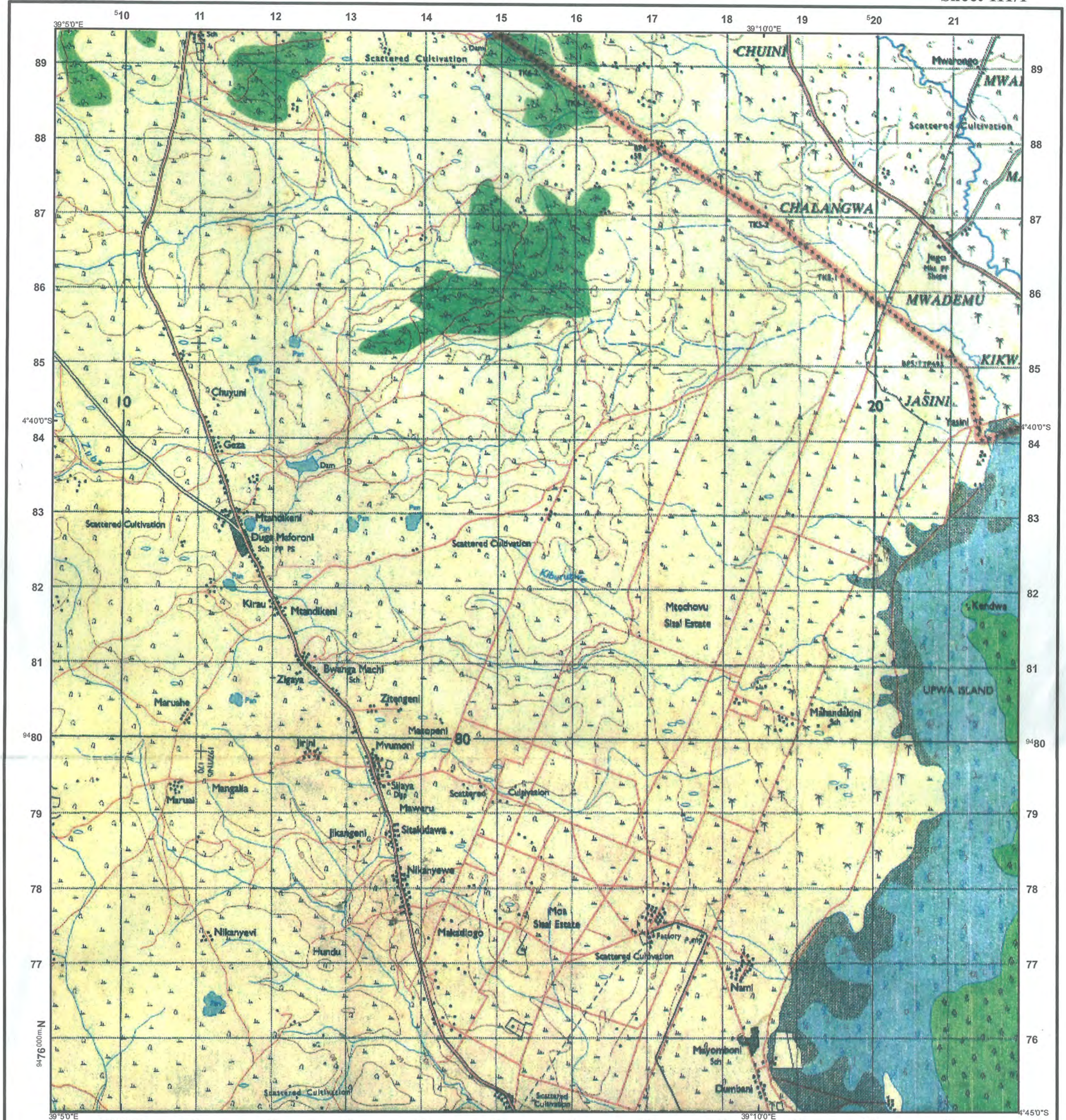
9. With vivid examples,

(a) describe three stages in the formation of a delta.

(b) explain three conditions necessary for the formation of the delta.

VANGA

Sheet 111/1



Extract from VANGA, Sheet111/1
Series Y742, Edition 1 - TSD/OSD, Ministry of Lands.
Government of the United Republic of Tanzania, 1990

HEIGHTS IN METRES

Scale 1: 50,000

1 0.5 0 1 2 3 Kilometers

- Town or area with Permanent Buidings
- Other Populated Area, Houses
- All Weather Road: Bound Surface (Road A12 Number)
- All Weather Road: Loose Surface
- Dry Weather Road (Culvert, Bridge)
- Main Track (Motorable)
- Other Track and Footpath
- Cut Line
- Railway, Siding, Station, Level Crossing (Sta, LC)
- Railway Light
- International Boundary
- Contours (V,I.20m) ....Depression (2000, 1980, 1960)
- Air Photo Principal Point with Film No (201/TN/7 010)
- Water Course, Waterfall Rapids, Dams
- Water Course, (Wide), Waterfall Rapids
- Watercourse (Indefinite)
- Borehole, WaterHole, Well, Spring
- Bund, Major Fence, Hedge
- Cliff
- Forest
- Thicket
- Mangrove Swamp
- Riverine Trees
- Plantation:(Coffee C, Palm Sisal S, Sugar Su,Wattle W
- Woodland
- Scrub
- Scattered Trees
- Palm Trees
- Seasonal Swamp



ABBREVIATIONS

CBP	Cotton Buying Post
Ch	Church
CtHo	Court House
DC	District Commissioner
Disp	Dispensary
Hosp	Hospital
HC	Health C enter
M	Mission
Mkt	Market
Mosq	Mosque
MoW	Ministry of Works
PO	Post Office
PP	Police Post
PS	Police Station
RH	Rest House
Sch	School
T	Telephone
TG	Telegraph