

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

113/1

GEOGRAPHY 1
PRACTICAL AND PHYSICAL GEOGRAPHY
(For Both School and Private Candidates)

Time: 3 Hours

2006 February, 07 Tuesday p.m.

INSTRUCTIONS

1. This paper consists of **thirteen (13)** questions in sections A and B.
2. Answer **five (5)** questions. Two (2) questions from section A and **three (3)** questions from section B. Question **number one (1)** in section A is compulsory.
3. Map extract of Mpanda sheet 153/3 is provided.
4. Credit will be given for the use of relevant sketch maps and diagrams.
5. Cellular phones are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s).

ACS

This paper consists of 3 printed pages.

SECTION A (52 marks):

PRACTICAL GEOGRAPHY

Answer question one (1) and any other question from this section. You are advised to spend not more than 50 minutes on question one.

QUESTION 1 = 36 marks

QUESTION 2 TO 4 = 16 marks each

1. Carefully study the map extract of Mpanda sheet 153/3 and answer the following questions:
- Give an account on the population distribution of the area.
 - Explain factors that have influenced the distribution of vegetation of the mapped area.
 - Find the actual distance of railway line from grid reference 860975 to 930039 in kilometres.
 - Describe the environmental and social impacts that are likely to hit the mapped area being the asylum area.
 - With reference to the relief and the settlement pattern of the area, account for the type, layouts and quality of overland transportation.

2. Study table 1 carefully and use it to answer the questions that follow.

Table 1: Export of Agricultural Produce (tons) 1965 - 1967

Period	Sisal	Cotton	Coffee	Groundnuts	Coconut
1965	210,235	55,261	27,947	6,445	63,632
1966	195,812	84,786	50,321	4,653	71,099
1967	201,183	59,760	44,637	5,573	69,789

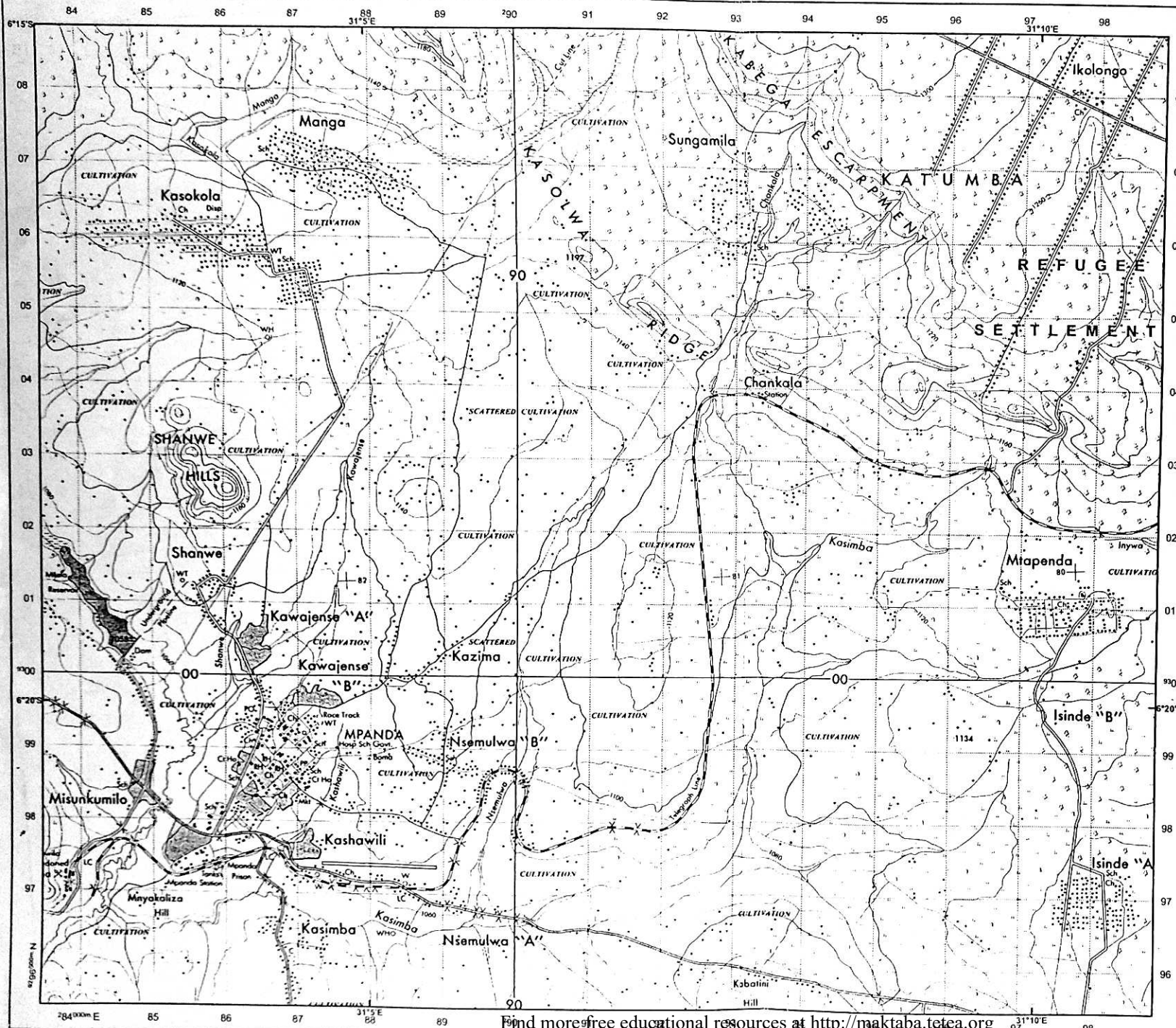
- Draw a suitable line graph to represent the data shown in the table.
 - Comment on the limitations of the method used.
- 3.
- Briefly give an account of field research.
 - Outline the strengths and weaknesses of questionnaires and interviews as methods of data collection.
- 4.
- What is compass survey?
 - Explain the ways that can be used to reduce errors during compass surveying.
- 5.
- A camera in an aircraft at an altitude of 1600 metres was used to take a photograph. Determine the focal length of the camera if the scale of the photograph is 1:50000.
 - What are the merits and demerits of ground photographs?

SECTION B (48 marks)

PHYSICAL GEOGRAPHY

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

6. Give an account of the major divisions of the geological time scale.
7. Describe the favourable conditions for the development of a river capture.
8. Examine the factors which influence the rate of coastal wave erosion.
9. With the aid of diagrams write short notes on any four of the following:
 - (a) Atoll.
 - (b) Mesas and Buttes.
 - (c) Geo.
 - (d) Zone of subduction.
 - (e) Rias.
 - (f) Eskers.
10. Examine the various causes of climatic changes experienced on the earth over different time scales.
11. To what extent can the theory of plate tectonic explain the present landforms in East Africa?
12. Briefly explain the following:
 - (a) Ecosystem.
 - (b) Habitat.
 - (c) Micro-climate.
 - (d) Climax vegetation.
13. With examples analyse the factors which influence soil formation.



Town or area with permanent buildings	
Other populated area, Houses	
All Weather Road Bound Surface	
All Weather Road Loose Surface	
Dry Weather Road	
Main Track (Motorable)	
Other Track and Footpath	
Cut Line	
Railway, Siding, Station, Level Crossing	
Airfield Runway	
Telephone Line	
Power Line	
Crater	
Steep Slope	
Spot Heights (in metres)	
Contours (V.I 20m)	
Air Photo Principal Point with Film No.	
Watercourse (Wide), Waterfall, Rapids	
Watercourse (Wide), Waterfall, Rapids	
Water Tank, Windpump	
Borehole, Waterhole, Well, Spring	
Bund, Major Fence, Hedge, Wall	
Cliff	
Forest	
Thicket	
Bamboo	
Riverine Trees	
Plantation : (Coffee C, Sisal S, Sugar Su, Palm T, Wattle W, Cashew Nut CN)	
Woodland	
Scrub	
Scattered Trees	
Palms	
Mangroove Swamp	
Tree Swamp	
Papyrus Swamp, Marsh, Bog	
Seasonal Swamp	
Sand or Mud	
Outcrop Rock	
Coral	

ABBREVIATIONS

CBP Cotton Buying Centre	M Mission	PS Police Station
CH Church	Mkt Market	RH Rest House
CHo Court House	Mosq Mosque	Sch School
Disp Dispensary	PO Post Office	T Telephone
Hosp Hospital	PP Police Post	Tg Telegraph

Scale 1: 50,000 HEIGHTS IN METRES