

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

113/1

GEOGRAPHY 1
(For Both School and Private Candidates)

Time: 3 Hours

Year : 2021

Instructions

1. This paper consists of sections A and B with a total of **seven (7)** questions.
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 **twenty five (25)** marks and the rest **fifteen (15)** marks each, while in section B each question carries **twenty (20)** marks.
4. Credit will be given for the use of relevant sketch maps and diagrams.
5. Map extract of Mwanza (sheet 33/2) is provided.
6. Non programmable calculators may be used.
7. Cellular phones and any unauthorised materials are **not** allowed in the examination room.
8. Write your **Examination Number** on every page of your answer booklet(s).



SECTION A (40 Marks)

315
45
360

Answer **two (2)** questions in this section. Question **number one (1)** is compulsory.

1. Study carefully the map extract of Mwanza sheet (33/2) provided and then answer the following questions:

- (a) Find the position of a Chimney if a student at Nganza Hill grid reference 896147 saw a chain of smoke from the Chimney at bearing 45° and a teacher at Nyabulogoya Hill grid reference 917148 saw the same smoke at bearing 315° .
- (b) Describe the site and layout of Mwanza town.
- (c) What is the bearing of Saa Nane Island Game Reserve at grid reference 876191 from Maliza Hill grid reference 958101?
- (d) By using two evidences from the map, identify the type of climate of the area.
- (e) What is the importance of R.F scale given on the map?
- (f) Giving evidences from the map, explain four functions of Mwanza town.

2. Study carefully the following scores awarded to 40 students in Geography test at one of the Secondary School in Tanzania and answer the questions that follow:

66, 87, 79, 74, 84, 72, 81, 78, 68, 74, 80, 71, 91, 62, 77, 66, 87, 72, 80, 77, 76, 83, 75, 71, 83, 67, 94, 64, 82, 78, 77, 67, 76, 82, 78, 88, 66, 79, 64 and 71.

- (a) Prepare a frequency distribution table with the lowest class interval of 60-64.
- (b) From the distribution table prepared in (a), calculate:
 - (i) Mean score
 - (ii) Median
 - (iii) Mode.
- (c) Describe the nature of statistical data in Geography.

60-64	3
65-69	6
70-74	7
75-79	11
80-84	4
85-89	3
90-94	2

$$\begin{array}{r} 60 \\ 64 \\ \hline 124 \\ 6 \\ \hline 2/124 \\ 2 \end{array}$$

$$\begin{array}{r} 180 + \\ 50 \\ \hline 180 \\ + 50 \\ \hline 230 \end{array}$$

3. Study carefully the following photograph and then answer the questions that follow:



- Name the type of photograph.
- Give four advantages of the type of the photograph named in (a).
- With evidence, state the time when the photograph was taken.
- Name the physical feature seen in the photograph.
- State two possible causes of the physical feature named in (d).
- Describe the physical process taking place in the area.

SECTION B (60 Marks)

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

- In a Form Five classroom, a Geography teacher stated that, "Sedimentary rocks are said to be both industrial raw materials and sources of energy". Support the teacher's statement in eight points.
- "Coastal landforms are significant to human lives." Justify this statement in six points.
- Asha was travelling from Dar es Salaam to Mbeya. While on the way she started to experience changes of temperature from hot to cold and she did not understand why. As an expert in climatology, analyze eight factors which affect the temperature.

7. In Chekereni village the farmers were observing changes of their farm produce to worse condition and rampant soil erosion in the village and their farms. As an agricultural expert, in eight points explain to farmers on how soil erosion is a product of both natural factors and human activities.



Extract from Mwanza, Sheet 33/2
Series Y742, Edition 2 - TSD/OSD. Published by the Government
of Japan (JICA) for the government of the United Republic of Tanzania, 1994

Scale 1: 50,000

Town or area with Permanent Buildings	Telephone Line	Water Course, (Wide)	Woodland	ABBREVIATIONS
Other Populated Area, Houses	Telephone Line along Road	Waterfall, Rapids	Scrub	
All Weather Road: Bound Surface	Power Line	Watercourse (Indefinite)	Scattered Trees	CBP Cotton Buying Post
All Weather Road: Loose Surface	Crater	Water Tank, Windpump	Palm Trees	Ch Church
Dry Weather Road	Steep Slope	Borehole, Water Hole, Well, Spring	Mangrove Swamp	CdHo Court House
Main Track (Motorable)	Boundaries: International	Bund, Major Fence, Hedge	Tree Swamp	DC District Commissioner
Other Track and Footpath	Regional	Cliff	Papyrus Swamp, Marsh, Boge	Disp Dispensary
Cut Line	Municipality/Township	Forest	Seasonal Swamp	HC Health Center
Railway, Siding, Station, Level Crossing	Contours (1:20m) Depression	Thicket	Sand or Mud Island Coastal	Hosp Hospital
Railway Light	Air Photo Principal Point with Film No.	Bamboo	Outcrops Rock	Mkt Market
Airfield Runway	Water Course, Waterfall	Riverine Trees		M Mission
Grass	Rapids, Dams	Plantation (Coffee C, Palm Sisal S, Sugar Su, Wattle W)		MoW Ministry of Works
				Mosq Mosque
				PO Post Office
				PP Police Post
				PS Police Station
				RH Rest House
				Sch School
				T Telephone
				TG Telegraph