THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL OF TANZANIA

FORM TWO SECONDARY EDUCATION EXAMINATION, 2001

0013 GEOGRAPHY

Time: 2:30 Hours .

Instructions

1. This paper consists of sections A and B.
2. Answer **all** questions in section A and TWO question from section B.
3. All writings must be in **blue** or **black** ink.
4. Communication devices and any unauthorized materials are **not** allowed in the assessment room.
5. Write your **Examination Number** at the top right hand corner of every page.

1. Read the following statements carefully and then write the letter of the most correct answer.

(i) The lines on a map joining places with the same pressure are called:

A. Isotherms
B. Isohyets
C. Isobars
D. Contours

(ii) The Earth's revolution around the sun causes:

A. Day and night
B. Seasons
C. Tides
D. Winds

(iii) The grid reference 342156 indicates:

A. 342 Northings and 156 Eastings
B. 342 Eastings and 156 Northings
C. 34.2 Eastings and 15.6 Northings
D. 342 Northings and 156 Westings

(iv) The type of farming where animals are kept in sheds and fed is called:

A. Nomadic pastoralism
B. Transhumance
C. Zero grazing
D. Mixed farming

(v) The temperature at Moshi (500m) is 25°C. What is the temperature at Arusha (1500m)?

A. 19°C
B. 31°C
C. 15°C
D. 28°C

(vi) The largest continent in the world is:

A. Africa
B. Asia
C. Europe
D. Australia

(vii) Which of the following is a negative impact of mining in Tanzania?

A. Job creation
B. Environmental pollution
C. Foreign exchange earnings
D. Infrastructure development

(viii) The compass bearing of South-West is:
A. 135°
B. 225°
C. 315°
D. 045°

(ix) The main source of hydroelectric power in Tanzania is:
A. Solar energy
B. Wind energy
C. Water from dams
D. Coal

(x) The process of breaking down rocks into smaller pieces is called:
A. Erosion
B. Weathering
C. Deposition
D. Sedimentation

2. Match the items in COLUMN A with the corresponding items in COLUMN B by writing the letter of the correct item in COLUMN B against its corresponding number in COLUMN A.

COLUMN A	**COLUMN B**
(i) Rain gauge	A. Measures rainfall
(ii) Tourism	B. Generates foreign exchange
(iii) Rift Valley	C. Formed by tectonic forces
(iv) Climate	D. Long-term weather patterns
(v) Manufacturing	E. Conversion of raw materials into goods
	F. A type of mountain
	G. Measures wind direction
	H. A type of farming

3. Write TRUE or FALSE against the statement given:
(i) The sun rises in the west and sets in the east. .....
(ii) Overfishing is a problem in the fishing industry in Tanzania. .....
(iii) All maps must have a title. .....
(iv) The Earth rotates from east to west. .....
(v) A thermometer measures air pressure. .....
(vi) Volcanic mountains are formed by faulting. .....
(vii) Forests can help prevent soil erosion. .....
(viii) The Tropic of Cancer passes through Tanzania. .....
(ix) Small-scale agriculture is mainly for commercial purposes. .....
(x) A river is a natural source of water. .....

4. (a) Study the map provided then answer the questions that follow:
Scale: 1:100,000
(i) Calculate the distance between two schools on the map.
(ii) Find the bearing of point R from point S.
(iii) Give the direction of point S from point R.
(iv) State the grid reference of point R and point S.

(b) Carefully study the climatic data for Station T and answer the questions that follow:

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
Temp. (°C)	12	13	15	16	19	22	25	26	24	20	17	15
Rainfall (mm)	150	87	87	60	30	12	0	0	25	75	110	140

(i) Calculate the mean annual temperature.
(ii) Calculate the total annual rainfall.
(iii) Determine the annual range of temperature.
(iv) Suggest the type of climate at Station T.
(v) Mention two effects of dry seasons in the area.
(c) Give three uses of solar energy in Tanzania.
(d) Mention three types of rainfall.
(e) List three problems facing the mining industry in Tanzania.
(f) List three methods of soil conservation.
(g) Name three cash crops grown in Tanzania.

SECTION B

5. Explain effects of weather on human activities.

6. Describe problems facing tourism in Tanzania.

7. Mention ways to conserve water resources.

8. Outline differences between a map and a plan.

9. Explain factors affecting agriculture in Tanzania.