THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

NOVEMBER 1996

013

GEOGRAPHY

(For both School and Private Candidates)

TIME: 2½ Hours.

INSTRUCTIONS

1. Answer EIGHT (8) questions in all. Question 1, 2 and 3 are compulsory.
2. Candidates must answer FIVE (5) other questions from Sections B, C, D and E; including at least ONE question from each section.
3. Credit will be given for the use of relevant sketch maps and diagrams.
4. All answers must be written in the answer book provided.

This paper consists of 7 printed pages.

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SECTION A

MAP READING AND PHOTOGRAPH INTEPRETATION

(32 Marks)

Answer both questions in this section.

1. Carefully study the map extract of TANGA sheet 130/1 provided, then answer the questions that follow:

   (a) Give the method used to show the relief of this map.

   (b) Determine the area of the Indian Ocean.

   (c) What is the length of the railway line shown on the map?

   (d) Determine the direction of Manjonjo (Grid 070378) from Usagara (Grid 127390).

   (e) Suggest the climate of this area.

   (f) Comment on the economic activities of the area shown on the map.

   (g) Draw a cross-section from Grid 040376 to Grid 040419.

   (h) Are the two points of the cross-section intervisible?

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2. Carefully study the photograph provided below and then answer the questions that follow:



(a) Name the cash crop shown in this photograph.

(b) Under what scale is this type of farming practised?

(c) Where in East Africa is this crop grown?

(d) With reference to the crop what are the climatic conditions of this area?

(e) Name two other crops which could also be grown in this area.

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SECTION B

PHYSICAL AND MATHEMATICAL GEOGRAPHY

(20 Marks)

Answer question three (3) and any other from this section.

3. (a) Read the following statements carefully and give the letter of the correct answer.

(i) The inner part of the earth is believed to be:

(a) liquid
(b) solid
(c) hollow
(d) fluffy
(e) both solid and liquid.

(ii) An intrusion of magmatic material across the bedding plane is:

(a) dyke
(b) sill
(c) vent
(d) volcanic pipe
(e) lava.

(iii) Physical weathering is mainly caused by:

(a) exfoliation
(b) block disintegration
(c) temperature change
(d) frost action
(e) winds.

(iv) Which of the following conditions is important for the growth of coral reefs?

(a) Very cool temperatures
(b) Cool sea water
(c) Warm sea water
(d) Clear sea water
(e) Clean river water.

(v) Fold mountains are mainly produced by:

(a) depression
(b) compression
(c) faulting
(d) tension
(e) earthquake..

(vi) Mr. X is being sworn in Dar es Salaam 45°E at 10 a.m. What will be the time at a Brazilian village 45°W?

(a) 6 a.m.
(b) 10 p.m.
(c) 4 a.m.
(d) 10 a.m.
(e) 4 p.m.

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(vii) An ox-bow lake is normally found:

(a) in the mature stage of a river

(b) in the young stage of a river

(c) along the flood plain

(d) in the flood plain

(e) in the rift valley.

(viii) Features produced by glacial erosion include:

(a) moraines

(b) loess

(c) alluvial fans

(d) are'tes

(e) drumlins.

(ix) River rejuvenation is a:

(a) youthful stage of a river

(b) river system in its mature stage

(c) river system which shows renewed erosive activity

(d) river system which is not related to the structure of the area

(e) river system in an ideal profile.

(x) A name given to an area of land surrounded by water in all sides is:

(a) lake

(b) lagoon

(c) island

(d) iceland

(e) gulf

(b) Write the correct number of the item in group B against the correct letter of the item in group A.

GROUP A

A. Time observed along a certain meridian

B. Main cause of soil erosion

C. Eskers, kames, drumlins

D. South-West winds

E. Earth's zone mainly made up of nickel and iron

F. An area surrounded in all sides by water

G. Rocks which have many pores

H. Rainfall caused by intensive solar radiation

I. Wearing away of rocks by moving agents

J. A feature of marine erosion.

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GROUP B

1. Ice depositional features
2. Standard time
3. Deforestation, overgrazing
4. Local time
5. Agents of soil erosion, e.g. water
6. Ice erosional features
7. Trade winds
8. Mantle
9. Westerlies
10. Core
11. Lake
12. Cirque
13. Are'tes
14. Cave
15. Island
16. Beach
17. Impermeable rocks
18. Weathering
19. Erosion
20. Orographic
21. Porous rock
22. Convectional.

4. Study the following data and then answer the questions that follow.

Temperature and Rainfall of station X

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
TEMP. (°C)	28	28	27	26	25	24	24	25	26	27	27	28
RAINFALL (mm)	1470	2460	1300	910	740	660	540	555	790	892	1270	1320

(a) Determine the annual range of temperature.

(b) What is the annual mean temperature?

(c) Calculate the annual rainfall of station X.

(d) Explain the relationship between rainfall and temperature

(e) With reasons suggest the type of climate experienced at this station.

(f) Where could this station be located?

5. Explain the distribution and characteristics of Tropical Savannah climate.

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SECTION C

EAST AFRICA (12 Marks)

Answer ONE (1) question from this Section.

6. Explain how livestock keeping can be improved in East Africa.

7. Draw a sketch map of East Africa and show:
   (a) The Great East African Rift Valley.
   (b) The lakes:
   (i) Victoria (iii) Nyasa (v) Turkana
   (ii) Tanganyika (iv) Kyoga (vi) Indian Ocean.
   (c) Areas where coffee is cultivated.

SECTION D

THE REST OF AFRICA (12 Marks)

Answer ONE (1) question from this section.

8. (a) Draw a sketch map of Southern Africa, and on it mark and label the Namib and Kalahari deserts, Drakensberg mountains and the Benguela current.
   (b) Account for the existence of Namib and Kalahari deserts.

9. "Egypt is the Nile and the Nile is Egypt". Explain.

SECTION E

NORTH WESTERN EUROPE, NORTH AMERICA AND ASIA

(24 Marks)

Answer TWO (2) questions from this section.

10. (a) Draw a sketch map of the Netherlands and label the Rhine and Meuse rivers, Ijssel lake, Frisian islands and Wadden sea.
   (b) Explain why land reclamation was necessary to the Dutch.

11. Giving examples explain the factors which necessitated the development of early industries in U.S.A.

12. (a) On the sketch map of China provided locate and label the main industrial areas of China.
   (b) Explain why Manchuria has grown into an important industrial centre.

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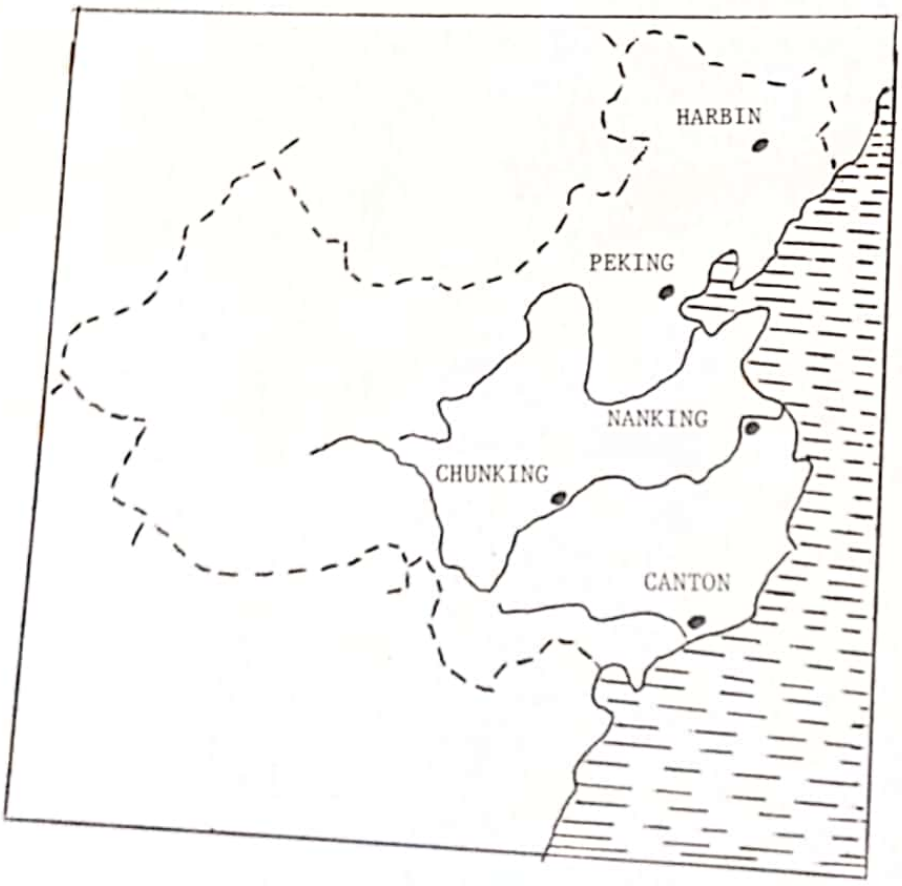
CHINA - For Question 12



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