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GEOGRAPHY
Paper 2
July - August 2023
2 hours 30 minutes

UGANDA MUSLIM TEACHERS' ASSOCIATION

UMTA JOINT MOCK EXAMINATIONS 2023

UGANDA CERTIFICATE OF EDUCATION

GEOGRAPHY

Paper 2

2 hours 30 minutes
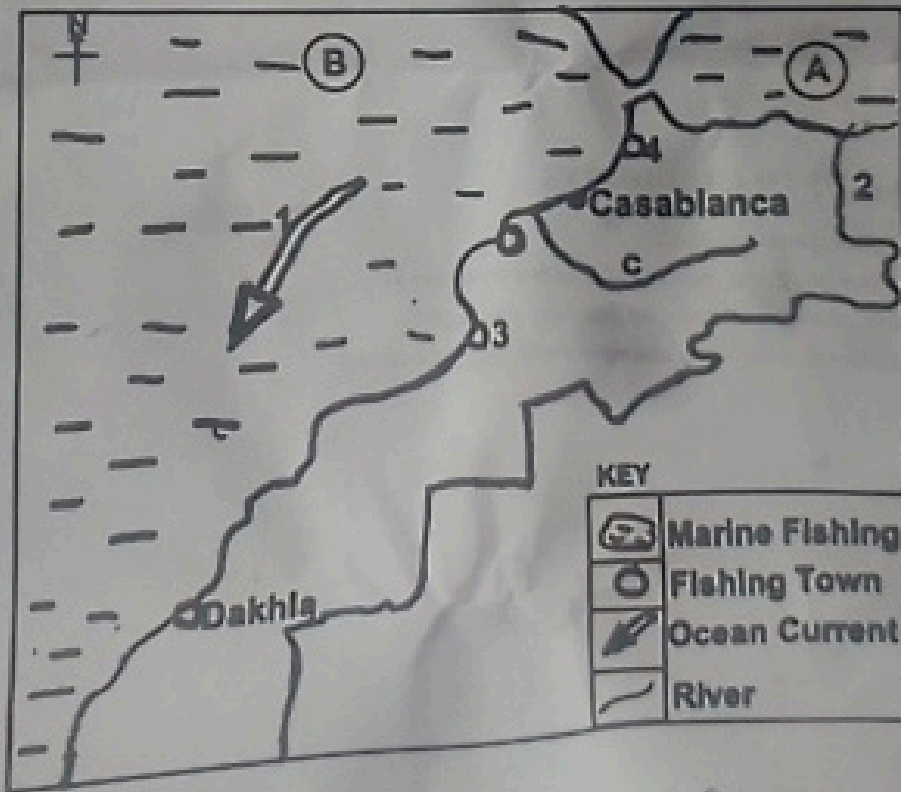
INSTRUCTIONS TO CANDIDATES

- *Answer four questions in all.*
- *Choose two questions from part I and two from part II.*
- *In part II, choose one question from any one region.*
- *Any additional question(s) attempted will NOT be marked.*

PART 1: THE REST OF AFRICA

Answer two questions from this part.

1. Draw a sketch map of Africa and on it mark and name:
   a) (i) rivers; Zambezi, and Congo.
      (ii) lakes; Volta and Nasser,
      (iii) Dams; Inga and Kariba. (7 marks)
   b) Describe the physical conditions which favoured the establishment of the Volta River project. (8 marks)
   c) Explain the benefits of the Volta river project to the people living in the area. (6 marks)
   d) Outline the effects of the establishment of the Volta river project on the environment. (4marks)

2. Study figure 1, map of Moroccan fishing ground and use it to answer the questions that follow;

FIG 1

KEY

🐟	Marine Fishing
○	Fishing Town
➤	Ocean Current
～	River

a) Name the:

   (i)   waterbodies marked A and B,

   (ii)   ocean current marked 1,

   (iii) country marked 2,

   (iv)   fishing Towns marked 3 and 4,   (7 marks)

   (v)   river marked C.

                                                                          (8 marks)

(b) Describe the factors which have favoured marine fishing in Morocco.

                                                                          (6 marks)

(c) Explain the problems faced by the fishing industry in Morocco.

(d) Outline the steps that are being taken to improve the fishing sector in Morocco.   (4 marks)

3. Study table 1 below showing crop production from Republic of South Africa (2010-2015)
   and answer the questions that follow.

   Table 1

Year	'000 metric tonnes	'000 Metric tonnes
	Vines	Sugarcane
2010	15,600	33,680
2011	15,680	38,650
2012	15,770	43,030
2013	16,130.	46,330
2014	16,100	47,790
2015	16,000	49,730

Adapted: 2018 world development Indicator. The World Bank, Washington D.C.Pp

a) Draw a bar graph to show the trend of sugarcane production in Republic of South
   Africa from the table given above.   (8 marks)

b) Calculate the percentage change in;
                                                                          (2 marks)
   - vines and
                                                                          (2 marks)
   - sugarcane, production shown in the table between 2013 and 2015.

c) Describe the factors which have favoured sugarcane growing in the Republic of South
   Africa.   (8 marks)

d) Outline:
                                                                          (2 marks)
   (i) any two uses of sugarcane in the Republic of South Africa.
                                                                          (3 marks)
   (ii) the measures taken to improve sugarcane production in south Africa.

4. (a) Draw a sketch map showing part of Nigeria and on it, mark and name the;

   (i) towns; Lagos, Abuja and Port Harcourt,

   (ii) river Niger delta,

   (iii) Atlantic Ocean,

   (iv) Areas where petroleum and Tin are obtained.   (8 marks)

   (b) Explain the factors that have promoted oil and petroleum mining in Nigeria.   (8 marks)

   (c) Outline the economic contribution of oil and petroleum mining in Nigeria.   (6 marks)

   (d) State any three uses of oil and petroleum.   (3 marks)

PART II: STUDIES IN DEVELOPMENT
Answer two questions from this part.
REGION I: NORTH AMERICA

5. Study table II below showing the climate of Calgary on the Canadian Prairies and answer the questions that follow:
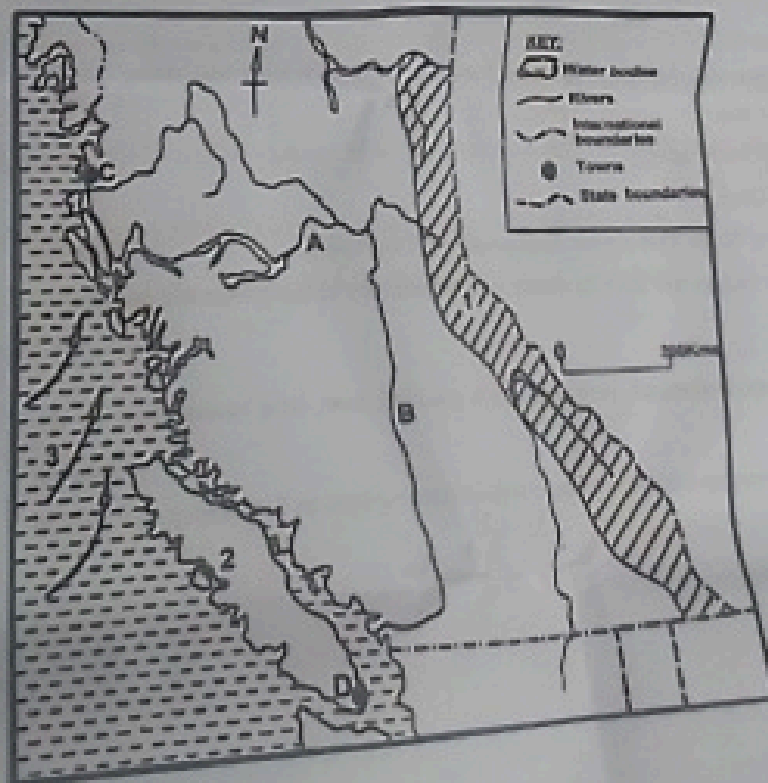
Table II. Calgary; Canada-Altitude 441m.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp(°C)	-20	-17	-9	2	11	16	19	18	11	5	-6	-14
RF(mm)	23	23	28	34	56	79	77	64	56	39	26	23

Adapted from young, E.W and Lorry, J.H (1984), A Course in World Geography _North America, P.31.

   a) Draw a suitable graph to show the climate of Calgary.   (9 marks)

   b) (i) Using the table, identify the:

      - Winter season,   (1 mark)

      - Wet Season,   (1 mark)

        at Calgary, on the Canadian Prairies.

   (ii) Calculate the:

   - annual temperature range,   (1 mark)

   - mean annual rainfall,   (2 marks)

     for Calgary station.

c) Explain the climate related problems faced by farmers on the Canadian Prairies.

(8 marks)

d) How have the problems explained in (c) above been solved?

(3 marks)

6. a) Draw the sketch map of California and on it mark and name:

(i) the rivers; Sacramento and Colorado

(ii) tourism centers; Los Angeles and San Francisco

(iii) Mountains; Coastal ranges and Sierra Nevada.

(7 marks)

a) Giving specific examples, describe the factors which have led to the development of the tourism industry in California.

(8 marks)

b) Explain the importance of the tourism industry in the development of California.

(6 marks)

c) Suggest measures that should be taken to promote the tourism industry in California.

(3 marks)

7. Study Fig.2, map of British Columbia provided below and answer the questions that follow.

FIG 2

a) Name:

   (i) rivers marked A and B,

   (ii) towns marked C and D,

   (iii) mountains marked 1,

   (iv) island marked 2,

   (v) ocean current marked 3.

   (7 marks)

b) (i) State any two minerals obtained from British Columbia other than phosphate. (2 marks)

   (ii) Describe the conditions which have favoured the exploitation of minerals in British Columbia.

   (8 marks)

c) Explain the effects of the mining activities on the physical environment in British Columbia.

   (6 marks)

(d) Outline the measures being taken to solve the negative effects in (c) above. (2 marks)

REGION II: RHINELANDS

8. (a) Draw a sketch map showing the Zuider Zee polders and on it mark and name;

   (i) North Sea,

   (ii) North Sea canal

   (iii) Lake Yssel

   (iv) Polders; North West polder, East polder and South polder. (7 marks)

   (b) Describe the factors that have favoured the establishment of the Zuider zee polders.

   (8 marks)

   (c) Explain the environmental problems which resulted from land reclamation in the Netherlands.

   (6 marks)

   (d) Outline the measures that were taken to combat the problems in 8(c) above. (4 marks)

9. Study Table II below showing the movement of ships on the Rhine water way between Basel and Rotterdam (2013-2018) and answer the questions that follow.
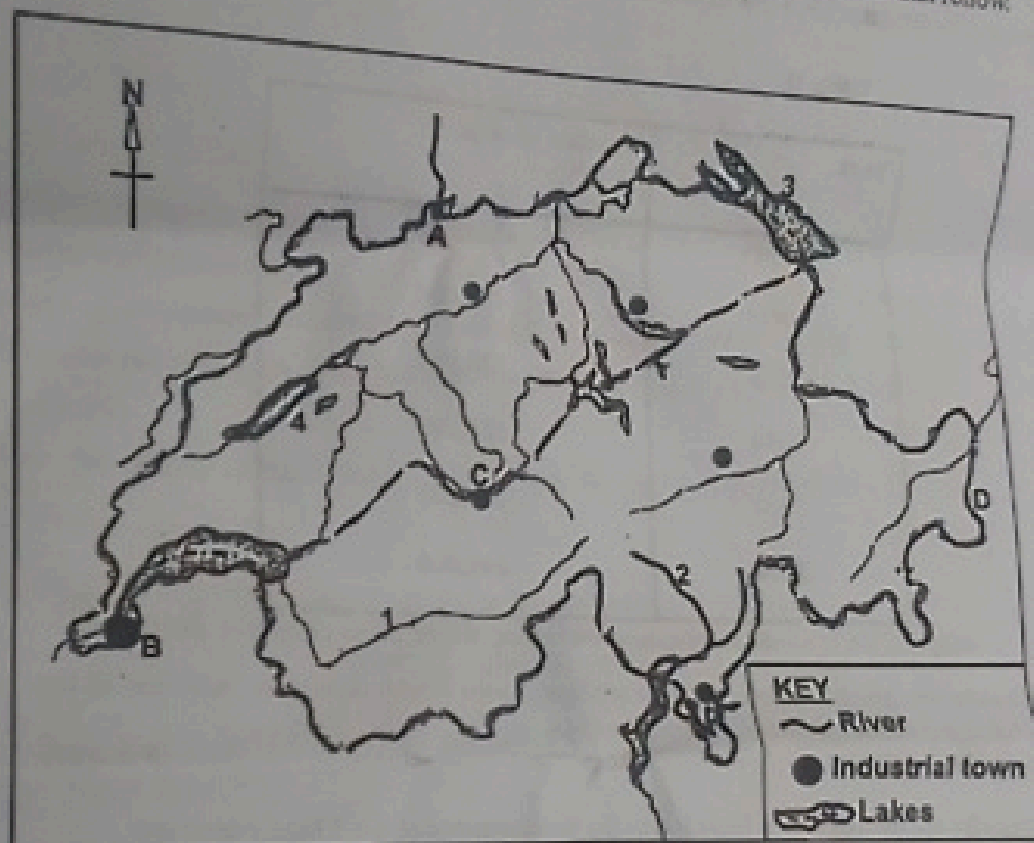
Table II

Year	Number of ships
2013	104,000
2014	112,000
2015	126,000
2016	128,000
2017	129,200
2018	141,000

Adapted; 2021 world development indictors, World Bank (Division 240)

(a) Draw a line graph to show the flow of ships on the Rhine waterway indicated in the table above. (8 marks)

(b) Describe the factors which have led to the development of the Rhine waterway. (8 marks)

(c) Explain the problems faced by countries using the Rhine waterway. (6 marks)

(d) Outline the measures being taken to solve the problems in (c) above. (3 marks)

10. Study **Figure 3** below showing the map of Switzerland and answer questions that follow.

Figure 3

(a) Name the;

   (i)   Industrial towns marked A, B and C,

   (ii)   rivers marked 1 and 2

   (iii) lakes marked 3 and 4   (8 marks)

   (iv)   Country marked D.

(b) Describe the factors that led to development of Basel as an Urban centre.   (8 marks)

(c) Outline the functions of Basel as an Urban centre.   (3 marks)

(d) Explain the problems facing Basel as an Urban centre   (6 marks)

11. (a) Draw a sketch map of China and on it mark and name;

(i)   rivers; Hwang He and Yangtze,

(ii)   the Himalayas Mountain ranges

(iii) one densely populated region

(iv)   one sparsely populated region

(v)   East China Sea

(vi)   Beijing town

(8 marks)

(b) Describe the factors responsible for a high population concentration in the region shown in (a) (iii) above

(8 marks)

(c) Explain the problems faced by a large population density in China.   (6 marks)

(d) Outline the measures being taken to address the problems identified in (c) above

(3 marks)

12. Study Table III below showing Bauxite production in selected areas of China in 2014 And answer the questions that follow;
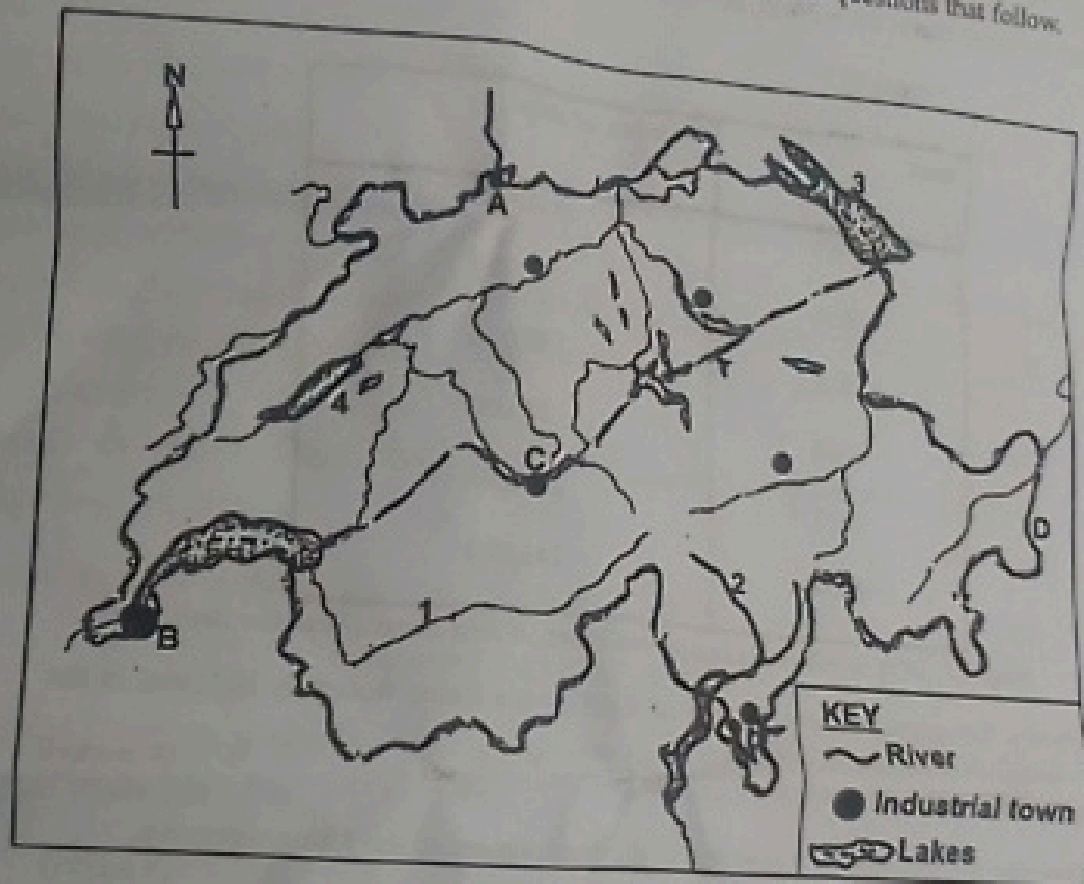
Table III

Area	Production 000' metric tons
Shandong	34,207
Dantong	16,282
Shanxi	8,750
Fushun	7,702
Shenyang	4,600
Henan	3,459
Total	75,000

Adapted: World resources: A guide to the global environment-
Environmental change and human health 2016, Pp.

10. Study Figure 3 below showing the map of Switzerland and answer questions that follow.

Figure 3

(a) Name the;

    (i)   Industrial towns marked A, B and C,

    (ii)   rivers marked 1 and 2

    (iii)   lakes marked 3 and 4

    (iv)   Country marked D.   (8 marks)

(b) Describe the factors that led to development of Basel as an Urban centre.   (8 marks)

(c) Outline the functions of Basel as an Urban centre.   (3 marks)

(d) Explain the problems facing Basel as an Urban centre   (6 marks)

REGION III: CHINA

11. (a) Draw a sketch map of China and on it mark and name:

  (i)   rivers; Hwang He and Yangtze,
  (ii) the Himalayas Mountain ranges
  (iii) one densely populated region
  (iv) one sparsely populated region
  (v)   East China Sea
  (vi) Beijing town

  (8 marks)

(b) Describe the factors responsible for a high population concentration in the region shown in (a) (iii) above

  (8 marks)

(c) Explain the problems faced by a large population density in China.

  (6 marks)

(d) Outline the measures being taken to address the problems identified in (c) above

  (3 marks)

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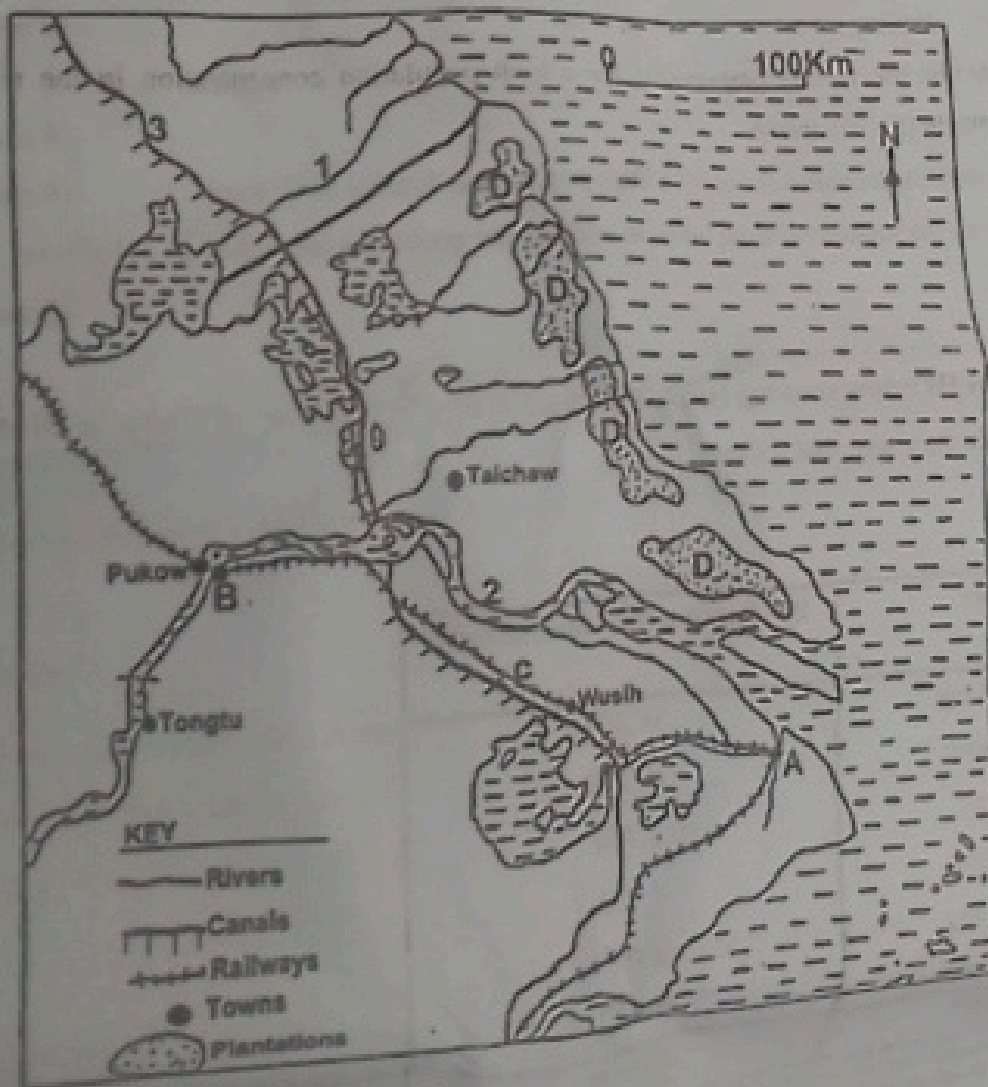
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Adapted: World resources: A guide to the global environment- Environmental change and human health 2016, Pp.

(a) Draw a pie-chart to show Bauxite production in China.

(8 marks)

(b) Describe the conditions that have favoured Bauxite mining sector in China. (8 marks)

(c) Outline the effects of mining of minerals on the physical environment in China. (5 marks)

(d) State;

(i) any other two minerals exploited in China. (2 marks)

(ii) relative importance of Bauxite production in Shanxi area (2 marks)

13. Study Figure 4: Map of the Yangtse delta region and answer the questions which follow.

Fig 4

(a) Name the;

    (i)   rivers marked 1 and 2.

    (ii)   canal marked 3.

    (iii) town marked A and B

    (iv) railway line marked C.

    (v) plantation crop grown in areas marked D.   (7 marks)

(b) Describe the factors which have favoured agriculture in the Yangtse delta region.

                                                     (8 marks)

(c) Explain the contribution of agriculture to the development of the Yangtse delta region.

                                                     (6 marks)

(d) Outline the problems faced by farmers in the Yangtse delta region.   (4 marks)

END