UGANDA CERTIFICATE OF EDUCATION

GEOGRAPHY

PAPER 2

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES:

Answer **four** questions only

Choose **two** questions from Part **1** and **two** from Part **II**

In part **II** only **one** question should be chosen from any **one** region

Any additional question(s) answered will **not** be marked

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PART I: THE REST OF AFRICA

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Answer **two** questions in this part.

1. Study Table **I** below showing the climate of station **A** and answer the questions that follow:

Table I: Climate statistics for station A

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temperature	12	13	14	16	19	22	25	26	24	21	17	13
Rainfall (mm)	110	90	90	60	35	15	3	10	30	80	115	135

Adapted: Africa by H.R Jarrett(1979), Macdonald and Evans Pp31.

a) Draw a suitable graph to show the information in the table
   above.   (08marks)
b) Calculate the:
   i) Mean annual temperature   (01mark)
   ii) annual range of temperature,   (01mark)
   iii) mean annual rainfall,   (01mark)
       for station **A**.
c) i) Describe the characteristics o the climate for station **A**.   (06marks)
   ii) State the hemisphere in which station **A** is located.   (01mark)
d) Outline the:
   i) economic activities that can be carried out,   (03marks)
   ii) problems faced by the people living in areas where station **A** is found
                                                                    (04marks)

2. Study Table II showing the population size of selected African countries
   (1990- 2020projected) and answer the questions that follow:

Table II: Population size for selected African countries

Country	Population in ('000's)			
	1990	2000	2010	2020(projected)
Zambia	7,759	9,886	13,047	18,679
Sudan	5,768	6,701	10,067	13,610
Nigeria	95,270	122,352	158,578	206,831
Algeria	25,912	31,184	36,118	40,264
Cote d'evoire	12,268	16,687	20,401	26,172

a) i) Calculate the percentage population change between 1990 and 2010 for
the countries shown in the table. (05marks)
ii) Identify the country with the:
- highest, (01mark)
- lowest (01mark)
percentage population change.

b) Draw a line graph to show the population trend for the country with the
highest percentage population change identified in(a)(ii) above.(05marks)
c) Describe the factors which have led to rapid population increase in Africa.
(08marks)
d) Explain the effects of rapid population increase on the environment in
Africa. (05marks)

3. Study Figure 1: Map of Egypt showing the location of the Aswan High Dam
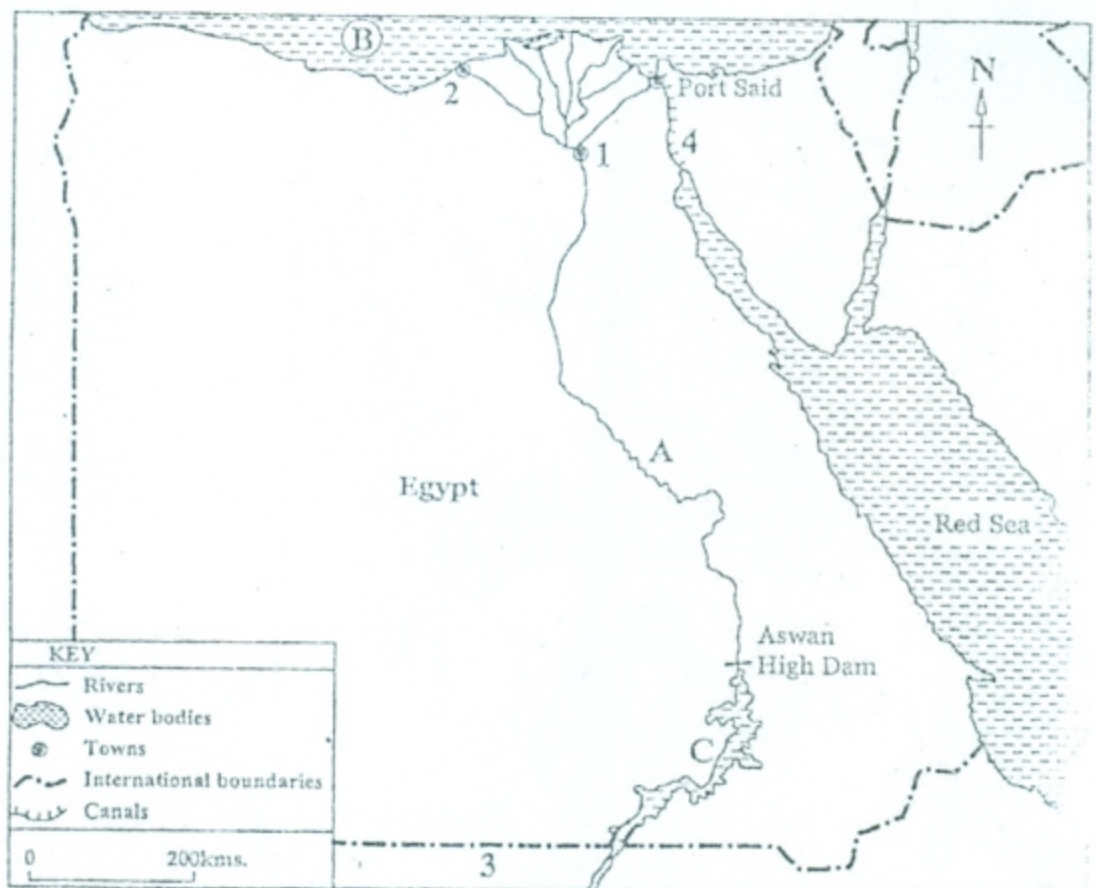project and answer the questions that follow:

Fig. 1

3

a) Name the:
    i) towns marked **1** and **2**,   (02marks)
    ii) country marked **3**,   (01mark)
    iii) water bodies marked **A,B** and **C**,   (03marks)
    iv) canal marked **4**.   (01mark)

b) Describe the factors which favoured the establishment of the Aswan High Dam project in Egypt.   (08marks)

c) Explain the contribution of the Aswan High Dam project to the development of Egypt.   (06marks)

d) Outline the steps being taken by Egypt to solve the problems created by the project.   (04marks)

4. a) Draw a sketch map of Swaziland and on it, mark and name:
    i) forested areas: Piggs Peak, Great Usutu and Nhlangano,
    ii) River Komati,
    iii) towns: Mbabane and Manzini,
    iv) railway line from Ngwenya to Mpaka.   (08marks)

b) Describe the factors that have favoured the establishment of forests in Swaziland.   (08marks)

c) Explain the value of forests to Swaziland.   (06marks)

d) Outline the problems faced by the forestry sector in Swaziland.(03marks)

PART II: STUDIES IN DEVELOPMENT

Answer **two** questions from this part

REGION I: NORTH AMERICA

5. a) Draw a sketch map of California and on it, mark and name the:
    i) Central valley,
    ii) Sierra Nevada highlands,
    iii) Rivers: Sacramento and San Joaquin,

iv) Delta – Mendota canal,

v) Los Angeles city,

vi) Shasta dam,

vii) California aqueduct. (09marks)

b) Describe the conditions which have favoured irrigation farming in
California. (09marks)

c) Explain the contribution of the agricultural sector to the development of
California. (06marks)

d) Outline the measures being taken to improve the agricultural sector in
California. (04marks)

6. Study Figure 3: Map of the Great Lakes and St. Lawrence sea-way and answer
the questions that follow:

Fig. 3

a) Name the:
   i) Lakes marked **1** and **2**,   (02marks)
   ii) rivers marked **A** and **B**,   (02marks)
   iii) ports marked **3** and **4**,   (02marks)
   iv) canals marked **C** and **D**   (02marks)

b) Explain the conditions which led to the construction of the Great Lakes and St. Lawrence sea-way.   (08marks)

c) Outline the problems faced by the people using the sea-way.   (06marks)

d) Describe the measures being taken to solve the problems in (c) above.   (03marks)

7. a) Distinguish between tropical rain forests and temperate forests.(04marks)

  b) Describe the factors which have favoured the development of temperate forests in British Columbia.   (06marks)

  c) i) Mention any **three** tree species found in British Columbia.   (03marks)
    ii) Explain the importance of the forestry industry in the development of British Columbia.   (06marks)

  d) Outline the:
    i) problems affecting the forestry industry in British Columbia.   (03marks)
    ii) steps being taken to solve the problems in (d) (i) above.   (03marks)

REGION II: RHINELANDS

8. a) Draw a sketchmap to show the Rhine rift valley and on it, mark and name:
    i) rivers: Rhine and Neckar,
   ii) highlands: Haardt, Black Forest and Vosges,
   iii) towns: Mainz and Ludwigshafen.   (08marks)

  b) Describe the processes which led to the formation of the Rhine rift valley.   (06marks)

c) Explain the influence of relief on human activities in the Rhine rift valley.

(08marks)

d) Outline the problems affecting human activities in the Rhine rift valley.

(03marks)

9. Study Table **III** showing energy production in Germany(2005) and answer the questions that follow:

Table III Germany: Energy Production (2005)

Type Of Energy	% Of Total Energy
Coal	49.8
Gas	11.3
Oil	1.7
Hydro power	3.2
Nuclear power	26.6
Others	7.4

Adapted: 2008 World development indicators. The world bank, Washington D.C
Pp 166-168

a) Draw a pie-chart to show energy production in Germany. (08marks)

b) Identify the type of energy produced in:

   i) largest (01mark)

   ii) smallest (01 mark)

   amounts in Germany.

c) Describe the factors which have favoured the development of the industrial sector in Germany. (08 marks)

d) Outline the:

   i) environmental problems which have resulted from the establishment of industries in Germany. (04marks)

   ii) steps being taken to solve the problems in (d) (i) above. (03marks)

10. Study Figure 4: Map of Belgium provided below and answer the questions that follow:
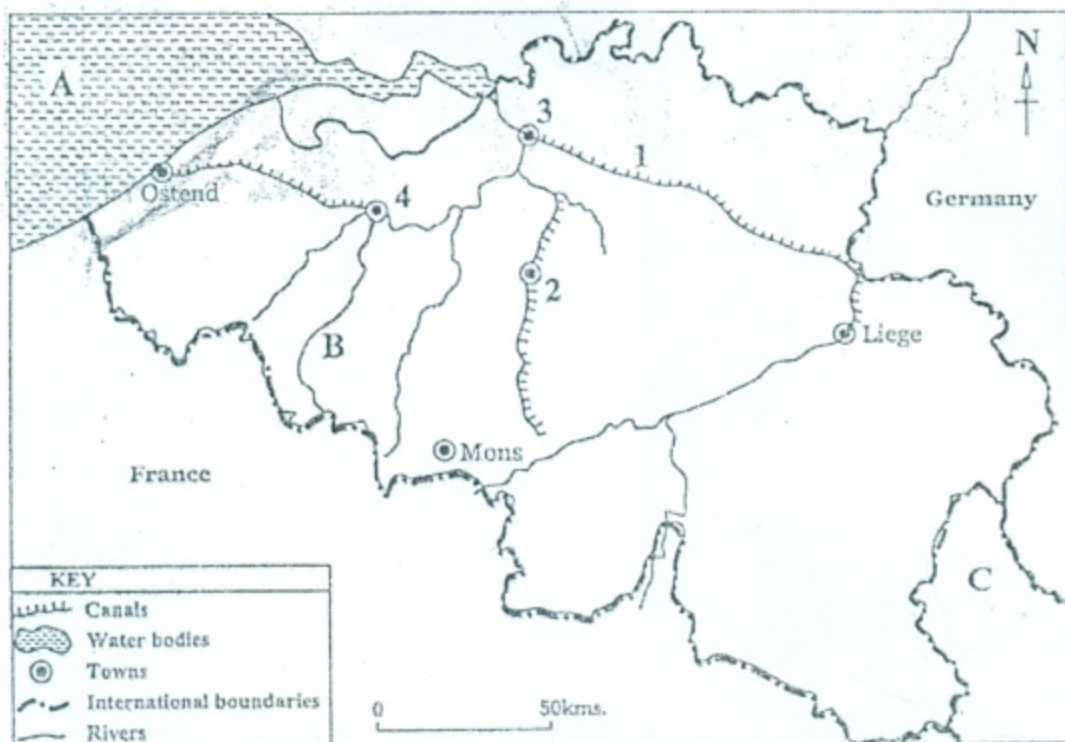

Fig. 4

a) Name the:
   i) water bodies marked A and B,   (02marks)
   ii) canal marked 1,   (01mark)
   iii) country marked C,   (01 mark)
   iv) urban centres marked 2, 3 and 4   (03marks)

b) Giving specific examples, describe the factors which have led to the development of urban centres in Belgium.   (08marks)

c) Explain the effects of urbanisation on the environment in Belgium.
                                                                 (06marks)

d) Outline the steps being taken to solve the problems resulting from urbanisation in Belgium.   (04marks)

REGION III: CHINA

11.a) Draw a sketchmap of China and on it, mark and name:
   i) areas receiving mean annual rainfall of:
   - over 1500mm,
   - between 500 mm and 1500 mm
   - below 500mm.
   ii) the East China sea,
   iii) River Yangste Kiang and Yellow River,
   iv) The Tropic of Cancer,   (08marks)

   b) Describe the factors which have influenced rainfall distribution in China.
                                                                      (08marks)
   c) Explain the effects of climate on human activities in areas receiving mean
      annual rainfall of less than 500 mm.   (06marks)
   d) Outline the measures being taken to improve human activities in the areas
      mentioned in (c) above.   (03marks)

12.a) Study Table **IV** below showing China's population ('000s') and answer the
      questions that follow:

Table IV China: Population 1995- 2015

Year	Population size |('000s)
1995	1,239,940
2000	1,283,199
2005	1,321,623
2010	1,359,755
2015	1,397,029

Adapted From : 2008 World Development Indicators. The World Bank, Washington D.C
Pp40.

   a) Draw a line graph to show the population of China between 1995 and 2015
                                                                      (07marks)
   b) Calculate the percentage change in China's population between 1995 and
      2015.   (02marks)
   c) Explain the:
      i) causes of,   (06marks)
      ii) problems resulting from   (06marks)
      a large population size in China.
   d) Outline the measures being taken by China to solve the problems in (c)
      (ii) above.   (04marks)

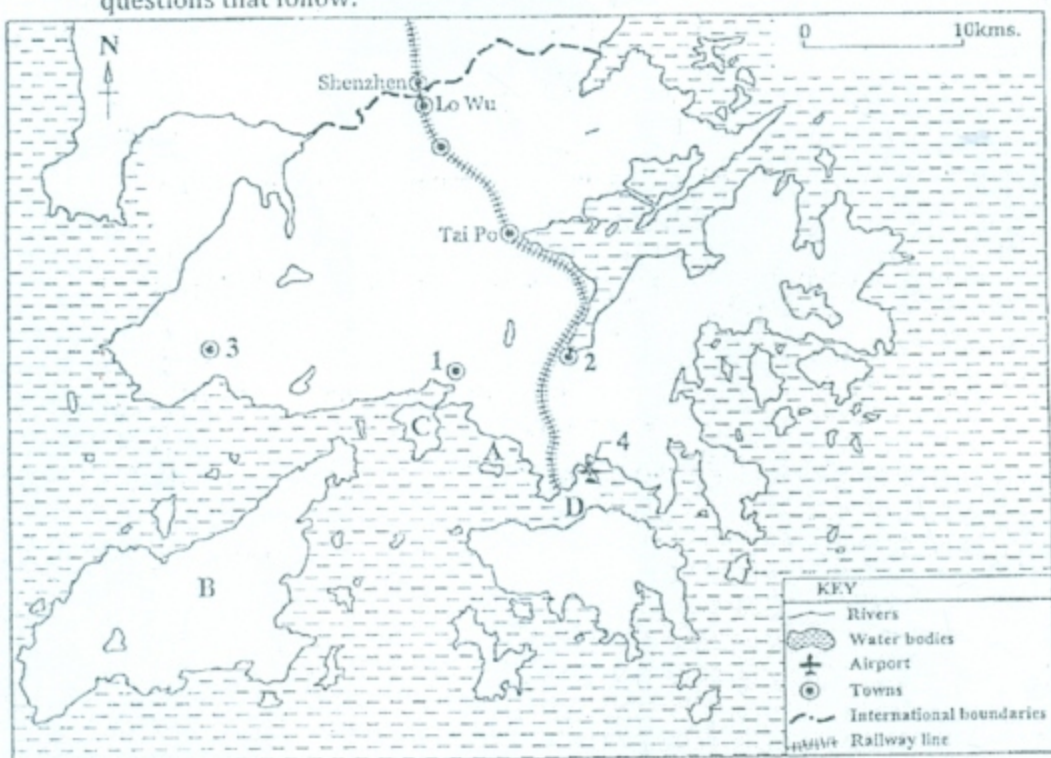13. Study figure 5: Map of Hong-Kong and its hinterland and answer the questions that follow:

Fig. 5

i) islands marked A, B and C,   (03marks)
ii) harbor marked D,   (01mark)
iii) towns marked 1, 2 and 3,   (03marks)
iv) airport marked 4.   (01mark)

b) Describe the functions of Hong-Kong entrepot.   (08marks)

c) Outline the effects of the growth of Hong-Kong entrepot on the environment.
                                                                 (05marks)

d) Explain the steps being taken to improve Hong-Kong entrepot. (04marks)

END