273/2

GEOGRAPHY

Paper 2

July/Aug.2019

2½ hours

GEOGRAPHY TEACHERS' NETWORK (GTN)

Uganda Certificate of Education

GEOGRAPHY

Paper 2

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **two** sections:*

*Answer **FOUR** questions*

*Answer **two** questions from part **I** and **two** from part **II.***

***Part I** Rest of Africa and **Part II** Studies in Development*

*In Part **II** only **One** question should be chosen from any one region.*

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

PART I
THE REST OF AFRICA
Answer two questions in this part

1. (a) Draw a sketch map of Africa and on it mark and name;
   (i) Rivers : Senegal and Orange
   (ii) Lakes : Chad and volta
   (iii) Mountains : Cameroon
   (iv) Any two areas in Africa with a desert type of climate. *(08 marks)*
   (b) Describe the characteristics of the desert type of climate. *(04 marks)*
   (c) Explain the factors which have led to desert type of climate in Africa. *(06 marks)*
   (d) Outline the;
   (i) effects of desert climate on human activities in Africa. *(04 marks)*
   (ii) problems faced by the people living on the margins of desert lands in Africa. *(03 marks)*

2. (a) Name any two countries in Africa with a population density of;
   (i) Over 500 people per km^2. *(02 marks)*
   (ii) Between 100 and 500 people per km^2. *(02 marks)*
   (iii) Less than 100 people per km^2. *(02 marks)*
   (b) Describe the conditions which have led to a low population density in any one country named in (a) (iii) above. *(08 marks)*
   (c) Explain the problems of a low population density in any **one** country in Africa. *(08 marks)*
   (d) Suggest measures that should be taken to overcome the problems faced in (c) above. *(03 marks)*

3. Study table I below showing annual copper production in Zambia between 1975 and 1995 in ('000' metric tonnes).

Year	**Annual production ('000 metric tonnes)**
1975	676.9
1980	595.8
1985	452.6
1990	445.0
1995	362.7

Adapted: world resources: (1996 / 7 and 1998 / 9 series) A guide to the global environment, (UNDP, WRI) pp. 290 – 91, 338 – 39.

   (a) Draw a line graph to represent the information in the table above. *(07 marks)*
   (b) Describe the;

(i) Trend of copper production in Zambia between 1975 – 1995. *(02 marks)*

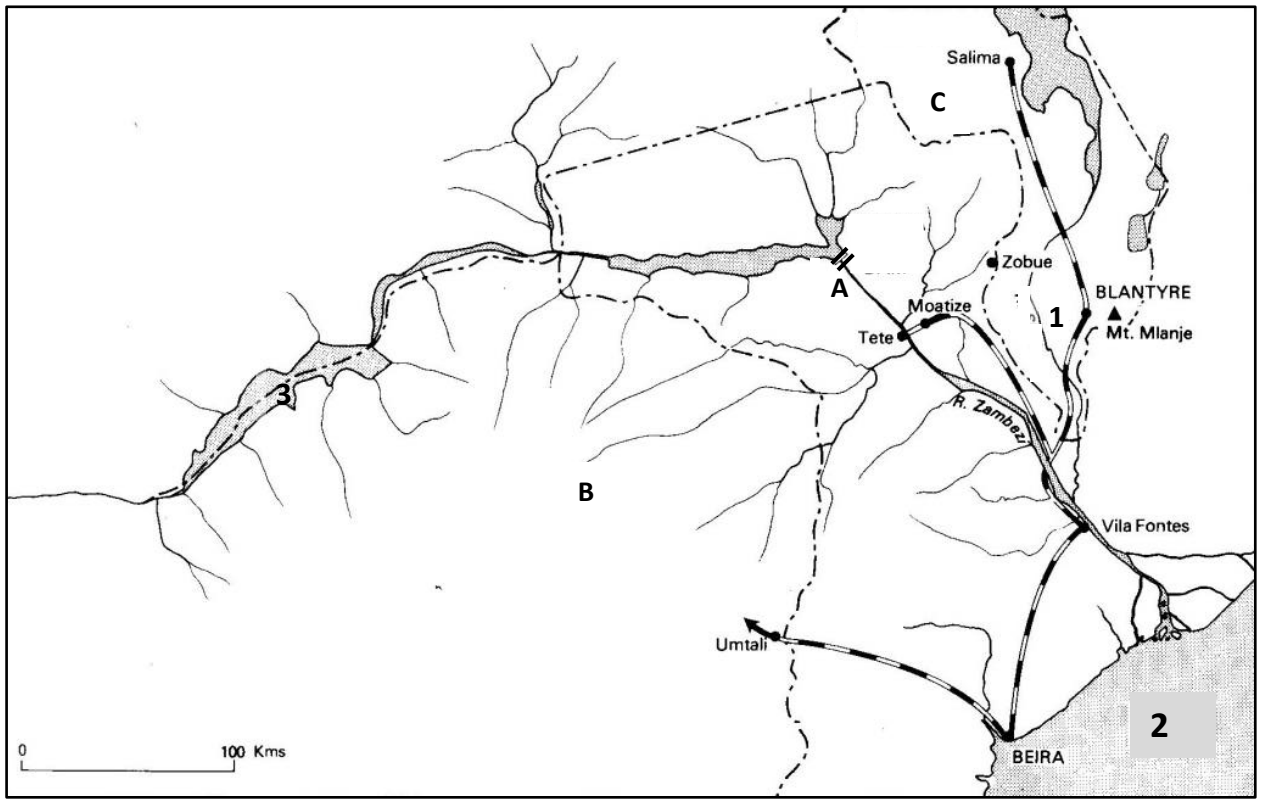
(ii) Factors which have contributed to the trend in (b) (i) above. *(06 marks)*

(c) (i) Calculate the percentage change in copper production in Zambia between 1975 – 1995. *(02 marks)*

(ii) Explain the challenges which result from over depending on copper production in Zambia. *(06 marks)*

(d) State two other minerals extracted from the Zambian copper belt. *(02 marks)*

4. Study **figure 1** showing the Cabora Bossa multi – purpose and answer the questions that follow;



(a) Name the;
   (i) River marked **1**
   (ii) Water bodies marked **2** and **3**
   (iii) Dam marked **A**
   (iv) Countries marked **B** and **C** *(06 marks)*

(b) Describe the factors which influenced the location of the Cabora Bossa multi – purpose development project. *(08 marks)*

(c) Explain the contribution of Cabora Bossa multi – purpose development scheme to the development of Mozambique. *(06 marks)*

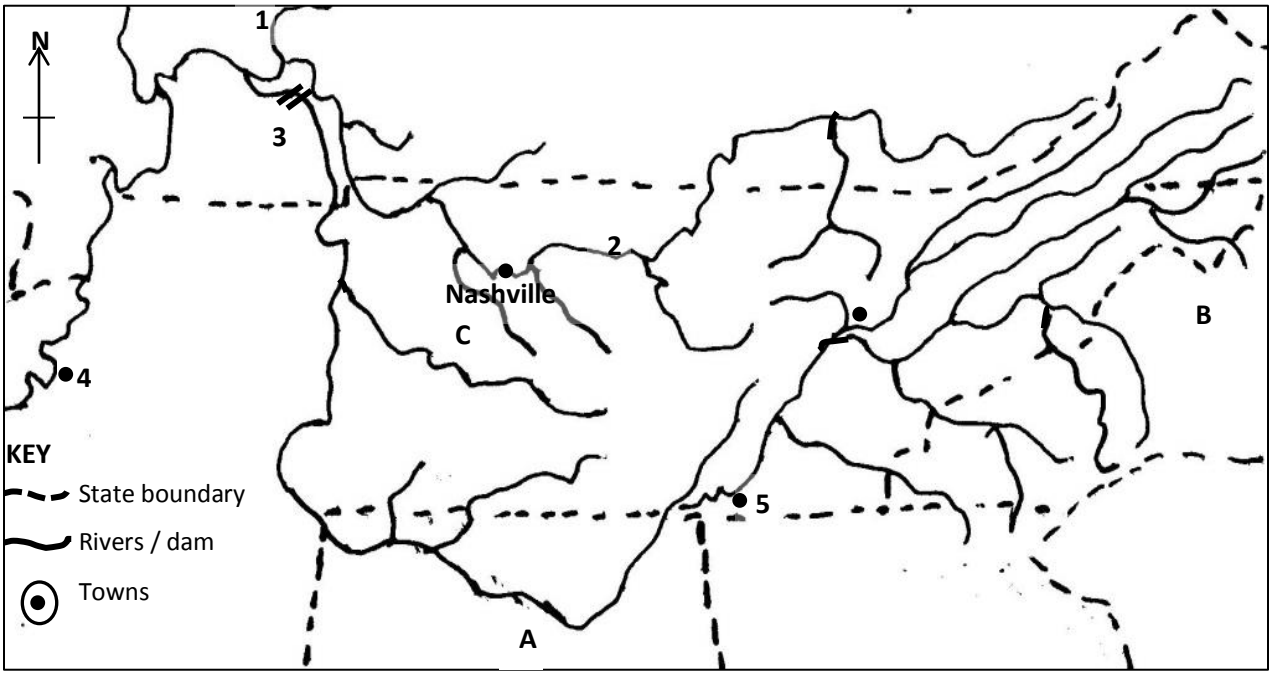
(d) Outline the effects which resulted from the establishment of the Cabora Bossa multi – purpose development project to the physical environment. *(05 marks)*

PART II: STUDIES IN DEVELOPMENT

Answer **TWO** questions from this part

REGION I: NORTH AMERICA

5. Study **figure 2** map of the Tennessee Valley provided and answer the questions that follow:



(a) Name the;
   (i) Rivers marked **1** and **2** *(02 marks)*
   (ii) Dam marked **3** *(01 mark)*
   (iii) Towns marked **4** and **5** *(02 marks)*
   (iv) States marked **A**, **B** and **C** *(03 marks)*

(b) Why was the Tennessee Valley multi – purpose project established? *(05 marks)*

(c) Describe the steps taken by the Tennessee Valley Authority (TVA) to develop the Tennessee Valley. *(08 marks)*

(d) Explain the problems still faced by the people living in the Tennessee Valley. *(04 marks)*

6. Study table II below showing cotton acreage (in '000's) in the south, U.S.A between 1932 and 1981 and answer the questions that follow:

Table II: Cotton acreage in the South USA 1932 -1986

Year	Acreage in ('000's)
1932 / 1955	42,383
1956 / 1960	14,262
1961 / 1966	11,644
1967 / 1975	9,050
1976 / 1981	8,604

Adapted: Paterson: North America pg. 426

(a) Draw a bar graph to show the information contained in the table above. *(07 marks)*

(b) (i) Describe the trend in cotton acreage between 1932 – 1981. *(02 marks)*

(ii) Describe the conditions that led to the trend in acreage in cotton growing in the old cotton belt. *(06 marks)*

(c) (i) Calculate the percentage change in acreage of cotton growing in the table above between 1932 / 1955 and 1976 / 1981. *(02 marks)*

(ii) Explain the effects of cotton growing on the environment in the south. *(06 marks)*

(d) Outline the measures being taken to improve the agricultural sector in the south. *(02 marks)*

7. (a) Draw a sketch map of New England state and on it mark and name;

(i) Rivers: Merrimack and connecticut.

(ii) Industrial centres: Boston. New bed ford and new Haven.

(iii) Mountain: Appalachian. *(07 marks)*

(b) Explain the conditions that have favoured the development of industries in New England. *(08 marks)*

(c) Describe the environmental problems that have resulted from industrialization in New England. *(06 marks)*

(d) Outline the benefits of industries to the states of New England. *(04 marks)*

REGION II : RHINELANDS

8. Study table 3 : Showing agricultural production in Switzerland between 1955 – 1974 in '000' kgs and answer the questions that follow:

Table 3 : Switzerland's Agricultural production in '000' kgs.

PRODUCTS	YEAR	
	1955	**1974**
Milk	28,250	33,600
Vegetables	2,850	2,650
Cheese	603	1,000
Wheat	3,219	3,877
Meat	1,704	4,090
Total	**36,626**	**45,217**

Source : C. W Gibbs : The Rhineland's, p.47.

(a) Calculate the percentage of;

(i) Livestock products in 1955. *(02 marks)*

(ii) Arable products in 1974 *(02 marks)*

(b) Draw a bar graph to show agricultural production for Switzerland in 1974. *(07 marks)*

(c) (i) State the least livestock and highest arable products in 1955 in Switzerland. *(02 marks)*

(ii) Describe the conditions which have favoured the practice of transhumance in the Alpine region in Switzerland. *(08 marks)*

(d) Explain the effects of transhumance on the environment in the Alpine region in Switzerland. *(04 marks)*

9. (a) Draw a sketch map to show the Rhine rift valley and on it, mark and name:

(i) Highlands : Black forest, Haardt and Vosges

(ii) Rivers : Rhine and Neckar

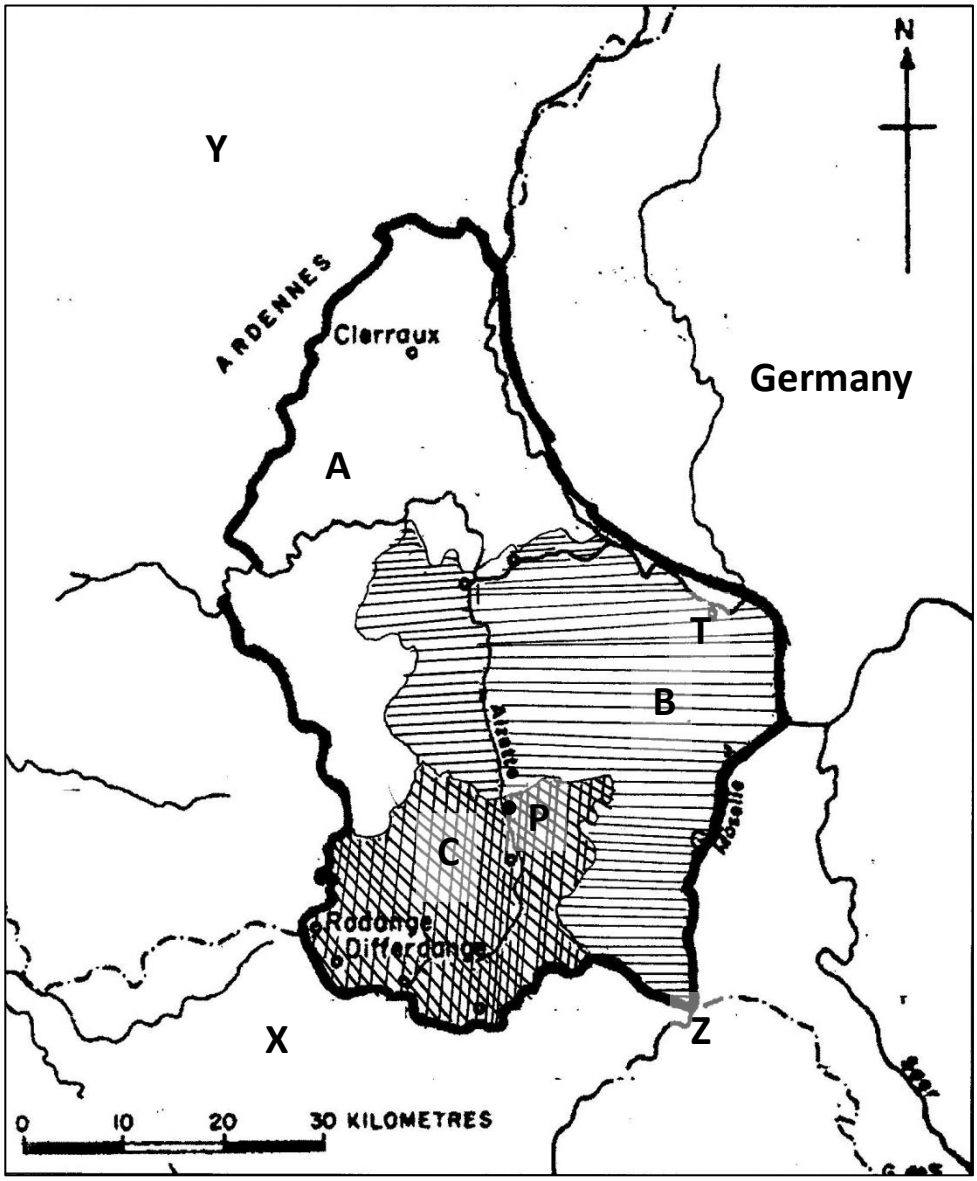
(iii) Towns : Mainz and Mannheim. *(06 marks)*

(b) Describe the processes which were responsible for the formation of the Rhine Rift Valley. *(08 marks)*

(c) Explain the influence of relief on human activities in the Rhine Rift Valley. *(08 marks)*

(d) Outline the steps being taken to solve the problems affecting human activities in the Rhine Rift Valley. *(03 marks)*

10. Study figure 3 sketch map showing population density in Luxembourg and answer the questions that follow:



KEY

- High population density
- Medium population density
- Low population density
- International boundary
- Rivers
- Town

(a) Name the;
   (i) Countries marked **X** and **Y**. *(02 marks)*
   (ii) Rivers marked **Z** and **T** *(02 marks)*
   (iii) Town marked **P** *(01 mark)*
   (iv) Physical regions marked **A** and **C**. *(02 marks)*

(b) Describe the conditions which have led to differences in population density in Luxembourg. *(08 marks)*

(c) (i) Mention any two cantons in Luxembourg with a high population density. *(02 marks)*
   (ii) Explain the effects of a high population density on the environment in Luxembourg. *(06 marks)*

(d) Outline the steps being taken to solve the problem of high population density in Luxembourg. *(02 marks)*

REGION III: CHINA

11. Study the table IV below showing the structure of communes in China and answer the questions that follow:
Table IV: Showing the structure of communes in China.

Classification	**No. of people**	**Area of land (Hectares)**
50 families = 1 production team	300	20
10 production teams = 1 brigade	-	-
05 brigades = 1 commune	-	-

(a) Calculate the;
   (i) Number of people found in;
      - A brigade
      - A commune *(02 marks)*
   (ii) Area of land forming a;
      - Brigade
      - Commune *(02 marks)*

(b) Describe the characteristics of communal farming in China. *(06 marks)*

(c) Explain the;
   (i) Advantages
   (ii) Disadvantages of
   commune farming in China. *(08 marks)*

(d) (i) Mention any two communes found in China. *(02 marks)*
   (ii) Outline the steps being taken to improve communal farming in China.

(05 marks)

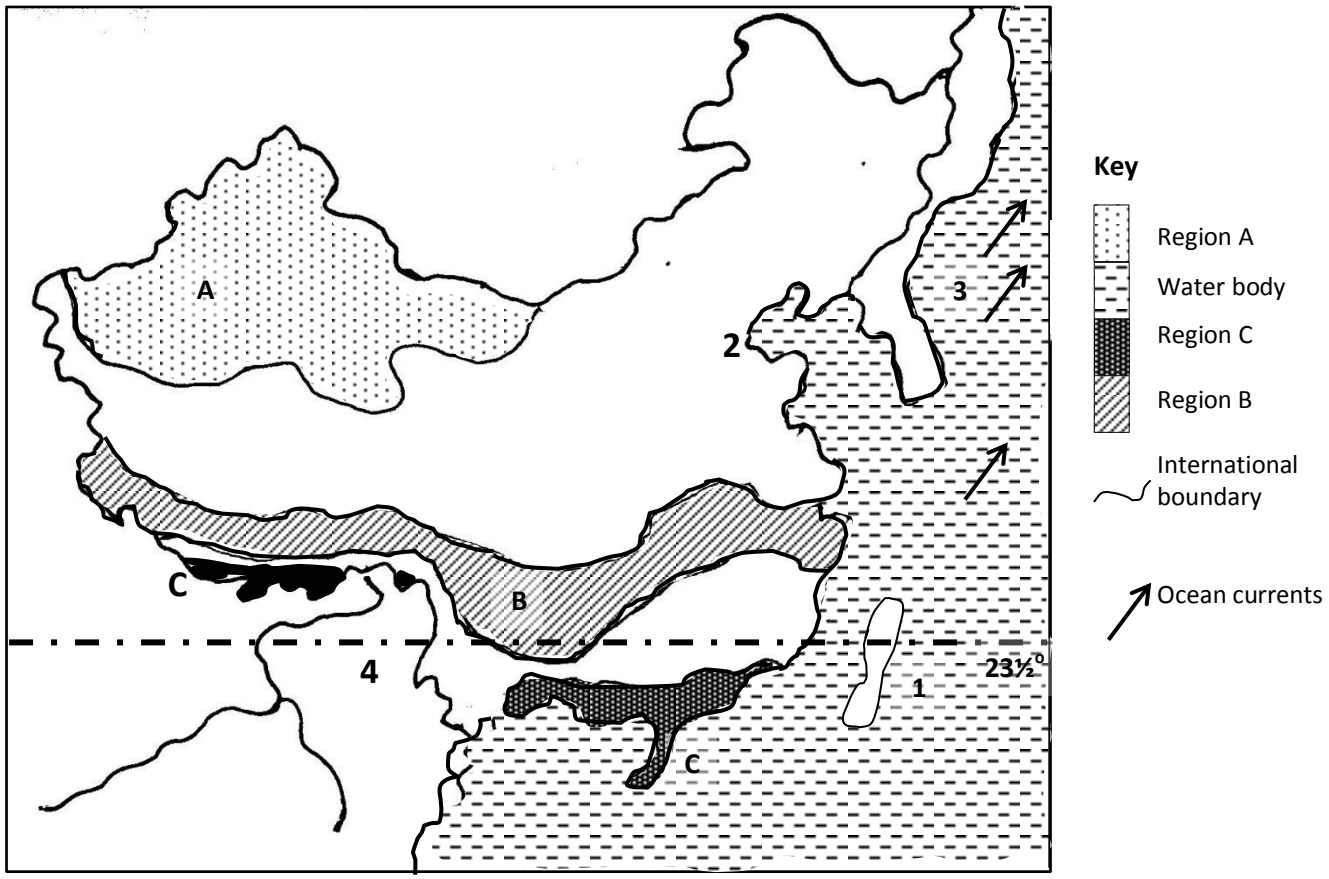
12. (a) Draw a sketch map to show the site of Hong Kong Port and on it, mark and name;
    (i) Islands : Hong Kong and Lantau
    (ii) Victoria harbor
    (iii) The south China sea
    (iv) Lo Wu – Kowloon railway line. *(06 marks)*

    (b) Describe the factors that have favoured export and import trade through Hong Kong port. *(08 marks)*

    (c) Explain the contribution of Hong Kong port to the development of China. *(06 marks)*

    (d) Outline the measures being taken to improve import and export trade in China. *(05 marks)*

13. Study **figure 4,** map of China showing the distribution of mean – annual rainfall and answer the questions that follow:



(a) Name the;

(i) Sea marked **1**

(ii) Urban centre marked **2**

(iii) Current marked **3**

(iv) Latitude marked **4**

(v) Rainfall regions marked **A**, **B** and **C** *(07 marks)*

(b) Explain the causes of;

(i) Low rainfall in the region marked **A** *(04 marks)*

(ii) Heavy rainfall in **either** region marked **B** and **C**. *(04 marks)*

(c) Describe the land use activities in **either** region marked **A** or **B**. *(06 marks)*

(d) Outline the relationship between rainfall distribution and human activities in China. *(04 marks)*

END