**273/2**

**GEOGRAPHY**

**Paper 2**

**Jul/Aug 2019**

**2 ½ Hours**



**MUKONO EXAMINATION COUNCIL**

**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*** *questions 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.*

**PART 1: THE REST OF AFRICA**

*Answer two questions from this part*

1. Study table 1 below showing the climate of station A and answer the questions that follow;

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | J | F | M | A | M | J | J | A | S | O | N | D |
| Temp(°C) | 30 | 31 | 31 | 30 | 29 | 28 | 27 | 27 | 28 | 29 | 30 | 30 |
| Rainfall (mm) | 25 | 25 | 50 | 100 | 275 | 500 | 900 | 925 | 700 | 300 | 125 | 25 |

*Source: Minus, W. J. A geography of Africa New Edition, P37.*

a) Draw a suitable graph to represent the information in the table. ***(08 marks)***

b) Calculate the;

(i) Mean annual rainfall ***(01 mark)***

(ii) Mean annual temperature ***(01 mark)***

(iii) Annual temperature range ***(01 mark)***

c) Describe the climatic conditions experienced at station A. ***(04 marks)***

d) Explain the;

(i) factors responsible for the climatic conditions experienced at Station A. ***(05 marks)***

(ii) influence of the climate on the economic activities being carried out in the area around

station A. ***(05 marks)***

1. Draw a sketch map of Africa and on it mark and label;

(i) rivers: Benue, Vaal and Senegal

(ii) Multi-purpose development schemes; Aswan high dam and Akasombo.

(iii) Lake Kainji

***(07 marks)***

b) Describe the physical conditions which favoured the establishment of any one multi-

purpose scheme named in (a) (ii) above. ***(08 marks)***

c) Explain the benefits of anyone multi-purpose scheme named in (a) (ii) above to the people

living in the area. ***(06 marks)***

d) Outline the problems created as a result of establishment of multi-purpose schemes in

Africa. ***(04 marks)***

1. Study the table 2 below showing the value of crude oil as a percentage of total exports for selected African countries and answer the questions that follow;

Value of crude oil as % of total export in selected African countries.

|  |  |
| --- | --- |
| **Country** | **Percentage of total value of exports** |
| Algeria | 82 |
| Angola | 48 |
| Congo | 70 |
| Gabon | 79 |
| Nigeria | 94 |

*Adopted from: White R.G Africa: Studies for East African students. Heinemann Education 1*

*Book Nairobi P 201.*

a) Draw a Bar graph to show the information given in the table. ***(07 marks)***

b) State the country which depends:

(i) most

(ii) least

On crude oil as an export commodity ***(02 marks)***

c) (i) Give any two uses of crude oil. ***(02 marks)***

(ii) Describe the method of mining crude oil in any one country named in the table.

***(06 marks)***

d) Explain the problems which result from over- depending on crude oil as an export

commodity. ***(08 marks)***

1. a) Draw a sketch map of Egypt and on it mark and name;

(i) water bodies: Lake Nasser and Red sea

(ii) Suez canal

(iii) urban centres: Cairo, Alexandria and Aswan.

***(08 marks)***

b) Describe the factors that have led to the growth of Cairo as an Urban centre. ***(07 marks)***

c) Explain the effects of urbanization on the physical environment in Egypt. ***(06 marks)***

d) Outline the steps being taken to address the effects of urbanization in (c) above.

***(04 marks)***

**PART II: STUDIES IN DEVELOPMENT**

*Answer* ***two*** *questions from this part*

**REGION 1: NORTH AMERICA**

1. a) Draw a sketch map of California and on it mark and name.

(i) San Joaquin river

(ii) Central valley.

(iii) Delta Mendota Canal

(iv) Market gardening centres: Frenso, Sacraman to and San Francisco.

***(07 marks)***

b) Describe the characteristics of market gardening in California. ***(05 marks)***

c) Explain the conditions which have favoured market gardening in California. ***(08 marks)***

d) Outline the problems affecting market gardening in California. ***(05 marks)***

1. a) Draw a Sketch map showing the Great lakes and St. Lawrence water way and on it mark

and name.

(i) rivers; Hudson and St. Lawrence

(ii) lakes; Ontario and Huron

(iii) Canals; Welland and Soulanges

(iv) Ports; Detroit and Quebec.

***(09 marks)***

b) Name any two;

(i) imports

(ii) exports

Carried along the Great lakes and St. Lawrence water way. ***(04 marks)***

c) Explain the steps which were taken to improve navigation along the Great lakes and

river St. Lawrence. ***(08 marks)***

d) Outline the benefits of the water way to the United States of America and Canada.

***(04 marks)***

1. a) Name any three;

(i) states found in the New England region of USA.

(ii) major port cities of New England region in USA.

***(06 marks)***

b) Identify two;

(i) old industries in New England.

(ii) New industries in New England

***(04 marks)***

c) Describe the factors that led to the shift from old industries to new industries in New

England region. ***(07 marks)***

d) Explain the benefits of the manufacturing industries to the economy of New England

region. ***(08 marks)***

**REGION II: RHINELANDS**

1. a) Draw a Sketch map of Switzerland and on it mark and name;

(i) Rivers: Rhone and Aare

(ii) Lake Neuchatel

(iii) Major physical regions.

(iv) industrial towns: Bern and Basel

***(09 marks)***

b) (i) Mention any two types of industries located in any one industrial town named in

(a) (iv) above. ***(02 marks)***

(ii) Describe the conditions that have led to the development of industries in the towns

marked in (a) (iv) above. ***(05 marks)***

c) Explain the contributions of the manufacturing industries to the people of Switzerland.

***(05 marks)***

d) Outline the steps being taken to improve the industrial sector in Switzerland.

***(04 marks)***

1. Study the table 3 below showing the different types of farming on the Dutch Polders and answer the questions that follow;

Dutch Polders: Different types of farming

|  |  |
| --- | --- |
| **Type of farming** | **Percentage of land Area covered** |
| Mixed farming | 35 |
| Market gardening | 07 |
| Arable farming | 53 |
| Orchards | 05 |
| **Total** | **100** |

a) Identify the type of farming which occupies the;

(i) largest

(ii) least

Percentage of land area on the Dutch Polders. ***(02 marks)***

b) Draw a pie chart to show the relative importance of each type of farming. ***(08 marks)***

c) (i) Name any two polders in the Netherlands. ***(02 marks)***

(ii) Describe the processes involved in the formation of a polder. ***(07 marks)***

d) Explain the problems faced by farmers on the Dutch polders. ***(06 marks)***

1. Study table IV showing the volume of Cargo handled by the Rhine water way (2006 – 2011) and answer the questions which follow;

Rhine water way (2006 – 2011)

|  |  |
| --- | --- |
| **Year** | **Volume of Cargo (000) metric tonnes** |
| 2006 | 82,200 |
| 2007 | 84,500 |
| 2008 | 87,050 |
| 2009 | 90,000 |
| 2010 | 95,100 |
| 2011 | 96,250 |

a) Draw a line graph to show the volume of Cargo handled by the Rhine water way between

2006 and 2011. ***(08 marks)***

b) Describe the;

(i) trend of the volume of Cargo handled by the Rhine water way between 2006 and

2011. ***(02 marks)***

(ii) factors which have contributed to the development of the Rhine river as an

Important water way. ***(06 marks)***

c) Explain the benefits of the Rhine water way to the Rhine lands. ***(06 marks)***

d) Outline the problems faced by the Rhine water way. ***(03 marks)***

**REGION III: CHINA**

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

(i) Rivers: Chang Jiang and Huang-he

(ii) Ports: Kowloon and Shanghai

(iii) The grand canal.

***(07 marks)***

b) Out line;

(i) problems facing inland water ways in China. ***(04 marks)***

(ii) Steps being taken to improve inland water ways. ***(04 marks)***

c) Explain the contribution of inland water ways to the development of China. ***(06 marks)***

d) State any two;

(i) exports,

(ii) imports, handled by inland water ways in China. ***(04 marks)***

1. Study the table below showing types of electricity used in China.

|  |  |
| --- | --- |
| **Type of electricity used** | **Percentage** |
| Coal | 79.0 |
| Natural gas | 0.5 |
| Oil | 2.4 |
| Hydro power | 16.0 |
| Nuclear | 2.1 |
| Total | 100 |

*Adapted from: World Development indicators, 2008 World Bank, Washington D.C.*

a) Draw a pie chart to represent the information given in the table above. ***(10 marks)***

b) identify the;

(i) least

(ii) most

Popular type of energy used in China. ***(02 marks)***

c) Outline the disadvantages of using;

(i) coal ***(03 marks)***

(ii) hydro power ***(03 marks)***

as sources of energy for industrial development in china.

d) (i) Name any one industry in China which heavily depends on coal as a source of energy.

***(01 mark)***

(ii) Explain the contribution of the industry named in d(ii) above to the development of

China. ***(06 marks)***

* ***End -***