**St. Joseph’s Senior Secondary School**

**S.4 Discussion QUESTIONS GEOGRAPHY 273/1 (Paper 1)**

1. a) Draw a sketch map of East Africa and on it, mark and name:

(i) Nyika plateau

(ii) Mountains: Rwenzori and Kilimanjaro,

(iii) Lakes: Edward and Rukwa

 b) Describe the process which was responsible for the formation any one mountain.

 c) Explain the benefits of the mountains to the people of East Africa.

 d) Outline the problems faced by the people living in the mountain areas of East Africa.

2. a) Draw a sketch map of East Africa and on it, mark and name:

 (i) Two national parks,

 (ii) Two game reserves,

 (iii) Two historical sites

 b) Explain the conditions which have led to development of tourism in East Africa.

 c) Outline the;

 i) benefits of the tourism industry to the development of East Africa.

 ii) problems facing the tourism industry in East Africa.

 d) Suggest possible measures to solve the problems mentioned above.

3. a) Draw a sketch map of East Africa and on it, mark and name:

 (i) Two areas of high population density,

 (ii) Two areas of Moderate population density,

 (iii) Two areas of Low population density.

 b) Explain the conditions which have led to;

 (i) A low population density in the areas marked in (a) (iii) above.

 (ii) A high population density in the areas marked in (a) (i) above

 c) Outline the;

 i) Advantages of a high population density.

 ii) Disadvantages of a low population density.

 d) Suggest possible measures to solve the problem of population growth in East Africa.

4. Study the table below showing the climate of station Y and answer the questions that follow:

 Station **Y**: (Altitude 1112metres)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTHS** | **J** | **F** | **M** | **A** | **M** | **J** | **J** | **A** | **S** | **O** | **N** | **D** |
| **TEMP(0C)** | 24 | 25 | 24 | 23 | 23 | 22 | 21 | 22 | 22 | 22 | 22 | 23 |
| **R/FALL(mm)** | 10 | 51 | 89 | 170 | 211 | 145 | 155 | 216 | 170 | 160 | 96 | 43 |

a) Draw a suitable graph to show the climate of station **Y.**

b) Calculate the annual:

 (i) Range of temperature (ii) rainfall total (iii) mean temperature

c) Describe the characteristics of the climate at station **Y**.

d) Giving reasons for your answer,

 (i) Name the hemisphere, in which station **Y** is found,

 (ii) Outline the economic activities that can be carried out around station **Y**.

5. Study the table provided showing natural forest cover in East Africa and answer and questions that follow:

 East Africa: Area under forest cover (‘000sha)

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **1980** | **1990** | **2000** |
| Kenya | 1,400 | 1,300 | 1,200 |
| Tanzania | 38,000 | 34,000 | 32,000 |
| Uganda | 7,000 | 6,400 | 6,100 |
| East Africa | 46,000 | 41,700 | 39,300 |

a) Draw a line graph to show the trend of forest cover destruction in East Africa between 1980–2000.

b) (i) Calculate the percentage change in the area under forest cover for each country shown in the table between 1980 and 2000.

 (ii) Name the country in East Africa which has experienced the:

 a) Highest **b)** lowest, rate of forest cover destruction between 1980 and 2000.

c) Explain the conditions which have led to loss of forest cover in East Africa.

d) Explain the effects of deforestation on the environment in East Africa.

e) (i) Outline the steps being taken to solve the problems of deforestation in East Africa.

 (ii) Name any two areas in East Africa covered by natural forests.

6. a) Distinguish between **gill netting**  and **purse seining** methods of fishing.

b) i) Name any two types of fish caught using each method in East Africa.

 ii) Describe the conditions which have favoured the development of the fishing industry.

c) Explain the contribution of the fishing industry to the people of East Africa.

d) Outline the problems faced by the fishing industry in East Africa.

7. a) Name any two types of fish caught in the:

 i) marine (ii) fresh water, fishing grounds in East Africa.

 b) i) state any two methods of fishing used in the marine fishing grounds.

 ii) Describe how the methods stated in (b)(i) above are used.

 c) Explain the factors which have favoured marine fishing in East Africa.

 d) (i) outline the problems which have affected the development of the fishing industry in E.A

 (ii) suggest possible solutions to the above mentioned problems.

8. a) Draw a sketch map of East Africa and on it mark and label:

 i) mining centers: kasese, Mombasa and shinyanga

(ii) Airports: Nairobi, Entebbe and Arusha

 b) i) state any three minerals mined and methods of mining used in the above named areas.

 ii) Describe the method used in mining any one mineral named in (b)(i) above.

 c) Explain the contribution of the mining sector to the development of any one country in E.A

 d) Outline the effects of the mining sector to the environment in East Africa.

9. a) Draw a sketch map of either Mombasa **or** Dar-es-Salaam port and on it, mark and label;

 i) Major railway lines ii) Indian Ocean iii) Oil refinery iv) Residential area v) Industrial parks

 b) Explain the factors that influenced the location of **either** Mombasa **or**  Dar-es-Salaam port.

 c) Outline the contribution of any **one** port to the development of East Africa.

 d) i) Describe the problems faced by the people using either Port Dar-es-Salaam or Mombasa.

 ii) Suggest possible measures to solve the above problems.

 iii) Explain the effects of port development on the physical environment in East Africa.

**GEOGRAPHY 273/2 (Paper 2)**

1. Study the table below showing landuse on a typical polder in the Netherlands and answer the questions that follow:

|  |  |
| --- | --- |
| **Form of landuse**  | **Percentage of land area covered** |
| Arable landBuildings, roads, water e.t.c…GrasslandsWoodlands, heath and dunesHorticulture | 2218431304 |
| **Total** | **100** |

1. State the form of landuse which occupies the:
2. Least ii) Largest, Land area on the polders in the Netherlands.
3. Draw a pie-chart to represent the information in the table above.
4. i) Calculate the percentage of land under agriculture.

 ii) Name any two polders found in the Netherlands

 ii) Why is a large part of the land under pasture?

1. Describe the:
2. Processes through which a polder is formed
3. Conditions which led to the formation of polders in the Netherlands
4. Outline the:
5. Benefits ii) Problems,

Resulting from the formation of polders in the Netherlands.

2. a) Draw a sketch map of Egypt and on it mark and name the:

 i)Towns: Alexandria, Cairo and Idfu (ii)Aswan High Dam (iii)Lake Nasser.

 iv) Areas where petroleum, phosphates and manganese are obtained.

 b) Describe the factors which have favoured the development of industries in either Cairo or Alexandria.

 c) Explain the contribution of the industrial sector to the development of Egypt.

 d) Outline the problems facing the industrial sector in Egypt.

3. a) Draw a sketch map of Botswana and on it mark and name;

 i) Chobe game reserve (ii) Okavango swamps (iii) Kalahari Desert

 (iv) any three demonstration farms.

 b) State the differences between cattle ranching and traditional nomadic pastoralism.

 c) Describe the conditions which have favoured the establishment of cattle ranches in Botswana.

 d) Outline the problems faced by livestock industry in Botswana.

4. a) Draw a sketch map of Africa and on it, mark and name;

 i) Highland areas above 2000metres ii) plateau areas between 500 and 2000 meters

 iii) Lowland areas below 500 meters iv) rivers; Zambezi, Niger and Nile.

 b) Describe the formation of the;

 i) Estuary on river Zambezi ii) Delta on either river Niger or Nile.

 c) Explain the problems faced by people living in the river valley areas of Africa.

 d) Outline the steps being taken to solve the problems in (c) above.

5. a) Draw a sketchmap of the Rhine rift valley and gorge and on it mark and name:

1. Extent of the Rhine rift valley and Rhine gorge
2. Highlands: Vosges, Black forest, Haardt, Hunsruck and Ardennes
3. Rivers: Rhine, Neckar, Main and Mosel
4. Towns: Frankfurt, Cologne, Mannheim, Karlsruhe and Ludwigshafen

 b) Describe the processes which were responsible for the formation of the Rhine rift valley.

 c) Explain the value of the Rhine rift valley to the people of Germany.

 d) i) outline the problems faced by the people living in the Rhine rift valley.

 ii) What has been done to solve the above mentioned problems?

6. Study the table below showing the average yield of cereals per hectare in Canada (1986-96) and answer the questions that follow:

|  |  |
| --- | --- |
| **Year** | **Average yield (kgs/ha)** |
| 1986 - 88 | 2,238 |
| 1988 - 90 | 2,200 |
| 1990 - 92 | 2,531 |
| 1992 - 94 | 2,566 |
| 1994 - 96 | 2,702 |

1. Draw a bar graph to show the information given in the table.
2. Describe the
3. Trend of average cereal production in Canada between 1988 and 1996
4. Conditions which have influenced the trend in b (i) above
5. Name the
6. Cereals grown in Canada
7. Important wheat export routes used by Canada
8. Port terminals along each wheat export route
9. Explain the benefits of cereal production to the people of Canada

7. a) Draw a sketch map of Ghana and on it mark and name;

 (i) Rivers: Black Volta and Oti (ii) Dams: Akasombo and kpong (iii) Ports: Yeji and Tema

b) Describe the conditions which favoured establishment of the Volta river project in Ghana.

c) What are the benefits of the Volta river project?

d) Outline problems which have resulted from establishment of multi-purpose projects in Africa.

e) Name any other five multi-purpose river projects in Africa.

8. Study the table below showing the means of transport used to enter Manhattan Island in New York City and answer the questions that follow;

|  |  |
| --- | --- |
| **Means of transport** | **% age** |
| Sub – way (underground train) | 70 |
| Train | 9 |
| Bus | 6 |
| Ferry | 2 |
| Others (car, lorry, taxi) | 13 |

1. Draw a pie chart to show the relative importance of each means of transport in New York City.
2. i) Give reasons favouring the most utilized means of transport in New York.

ii) Describe the problems faced by the transport sector in New York City.

1. Explain the effects of the transport sector on the environment in New York.

9. a) Draw a sketch map of British Columbia and on it, mark and name:

 i) rivers: Fraser, Columbia and Skeena

 ii) mountains: pacific coastal and rocky

 iii) forestry activity centers: Vancouver, Prince George, Prince Rupert, Kitmat and Nelson

 b) i) Name the tree species found in British Columbia.

 ii) What are the characteristics of British Columbia’s forests.

 iii) Describe the factors which have favoured the development of the forestry industry in British Columbia.

 C) Explain the contribution of the forestry industry to the people of British Columbia.

 d) i) Outline the problems faced by the forestry industry in British Columbia.

 ii) Suggest possible remedies to the above mentioned problems.

***NOTE***

1. Everyone should carry out thorough research and be ready to present on any day during the term when school resumes.

**Anticipating your usual co-operation**