**NAME……………………….……………………………………CLASS……ADM:.............**

**SCHOOL…………………………….……………… INDEX NUMBER…………………...**

**312/1**

**GEOGRAPHY Paper 1**

**DECEMBER, 2020**

**TIME: 2¾ HOURS**

**LANJET CLUSTER JOINT EVALUATION**

***Kenya Certificate of Secondary Education***

**312/1**

**GEOGRAPHY Paper 1**

**DECEMBER, 2020**

**INSTRUCTIONS TO STUDENTS**

* *This paper has* ***two*** *sections:* ***A*** *and* ***B***
* *Answer* ***ALL*** *the questions in* ***section A.***
* *In section* ***B*** *answer* ***questions 6*** *and any other* ***TWO*** *questions.*
* *All the answers must be written on the foolscaps provided.*
* *Candidates must answer the questions in English.*

**FOR EXAMINER’S USE ONLY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Section** | **Questions** | **Maximum****Score** | **Candidate’s****Score** |
| **A** | **1 - 5** | **25** |  |
| **B** | **6** | **25** |  |
|  | **25** |  |
|  | **25** |  |
| **Total Score** |  |

***This paper consists of 4 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no pages are missing.***

**SECTION A (Answer all questions from this section)**

1. (a) Give the **two** main types of eclipses. (2 marks)

 (b) State **two** characteristics of the oceanic crust. (2 marks)

2. (a) Outline **two** ways in which clouds are classified. (2 marks)

(b) State **three** ways in which wind affects the weather of a place. (3 marks)

3. (a) Define the term folding. (2 marks)

(b) The diagram below represents parts of a fold. Name the parts marked E, F and G. (3 marks)



4. (a) Give **two** examples of mechanically formed sedimentary rocks. (2 marks)

(b) List **three** types of rock metamorphism. (3 marks)

5. (a) What is mechanical weathering. (2 marks)

 (b) Give **three** causes of chemical weathering. (3 marks)

**SECTION B (Answer question 6 and any other two questions)**

6. Study the map of Yimbo provided and use it to answer the following questions.

(a) (i) Convert the map scale to a statement scale. (2 marks)

(ii) Give **two** evidences of water transport in the area represented. (2 marks)

 (iii) In which hemisphere is the area covered by the map located? (1 mark)

 (b) (i) What is the area in square kilometres of the region representing Busia district on the map? (2 marks)

 (ii) Name **two** types of swamps in the area covered by the map. (2 marks)

(c) (i) Identify **four** types of natural vegetation in the area covered by the map. (4 marks)

(ii) Citing evidence from the map, give **two** economic activities carried out in the area covered by the map. (4 marks)

 (d) (i) Using a vertical scale of 1cm to represent 20 metres, draw an accurate cross section along northing 83 from easting 26 to easting 32. On the cross section, mark and name: a hill, a river and Road C 506 (6 marks)

(ii) Calculate the vertical exaggeration of the cross section. (2 marks)

7. (a) What is faulting? (2 marks)

(b) Give **two** differences between normal and reversed faults. (4 marks)

(c) (i) Apart from escarpments, list **four** other features formed due to faulting. (4 marks)

(ii) With the aid of well labelled diagrams, describe how a horst is formed. (7 marks)

(d) Explain **four** ways in which features resulting from faulting influences human activities. (8 marks)

8. (a) Differentiate between natural and secondary vegetation. (2 marks)

 (b) (i) List f**our** main types of natural vegetation in Kenya. (4 marks)

 (ii) Explain **four** factors that influence the distribution and type of natural vegetation in Kenya. (8 marks)

 (c) Describe the characteristics of tropical monsoon forests. (5 marks)

 (d) You intend to carry out a field study on natural vegetation in your sub county.

 (i) State **three** reasons why you would prepare a route map. (3 marks)

 (ii) Outline **three** characteristics of vegetation that you would study. (3 marks)

9. The diagram below shows a vertical section through the zones of underground water.

 

 (a) (i) Name the parts zones marked X, Y and Z (3 marks)

 (ii) State **three** major sources of ground water. (3 marks)

 (b) Explain how the following factors influences the presence of underground water.

1. Amount of rainfall (2 marks)
2. Nature of rocks in an area (2 marks)
3. Slope gradient (2 marks)

 (c) Explain **four** conditions that lead to the formation of an artesian well. (8 marks)

(d) Your class is planning to carry out a field study in a Karst landscape.

 (i) Give **two** reasons why it is important to seek permission from the school administration. (2 marks)

 (ii) State **three** challenges that you are likely to encounter during the field study. (3 marks)

10. The diagram below shows a glacial erosional feature in lowlands.



 (a) (i) Name the parts marked P and Q. (2 marks)

 (ii) Outline **four** factors that influence glacial deposition in lowlands. (4marks)

(b) Explain how the following processes of glacial erosion occur.

(i) Plucking. (4 marks)

(ii) Abrasion. (2 marks)

(c) Describe how a fiord is formed. (7 marks)

(d) Explain **three** ways through which glaciation influences agriculture. (6 marks)