KCSE 2022 PREDICTIONS

5 STAR EXAMS SERIES 002/1/2022

312/1 – GEOGRAPHY – PAPER 1

TIME: 2 ¾ Hours

Name: …… **Adm No:** ……

Index No: …… **Sign:** …… **Date:** ……

Instructions To Students

- ***a)*** *This paper has **two** sections **A** and **B***
- **b)** *Answer **ALL** the questions in section **A**.*
- **c)** *answer questions **6** and any other **TWO** questions from section B*
- **d)** *The paper consist of 5 printed pages*
- **e)** *Candidates should check the question paper to ascertain that all pages are as printed and that no question are missing*
- **f)** *Candidates should answer the question in English*

For examiners use only

Section	Question	Maximum's Score	Candidate's Score
A	1-5	25	
B	6	25	
	7	25	
	9	25	
	10	25	
	Total	100	

SECTION A

Answer all questions in this section

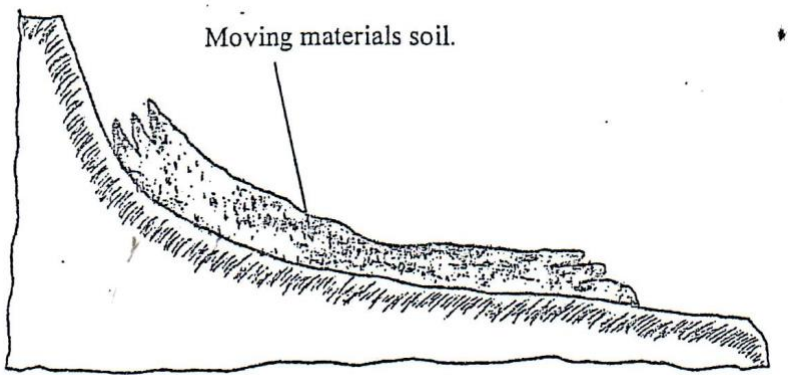
1 (a) Name three **types** of coral reefs (**3marks)**

(b) What are the benefits of coral reefs in the areas they have developed (**2marks)**

2 (a) Differentiate between earthquake intensity and earthquake magnitude. (**2mark**s)

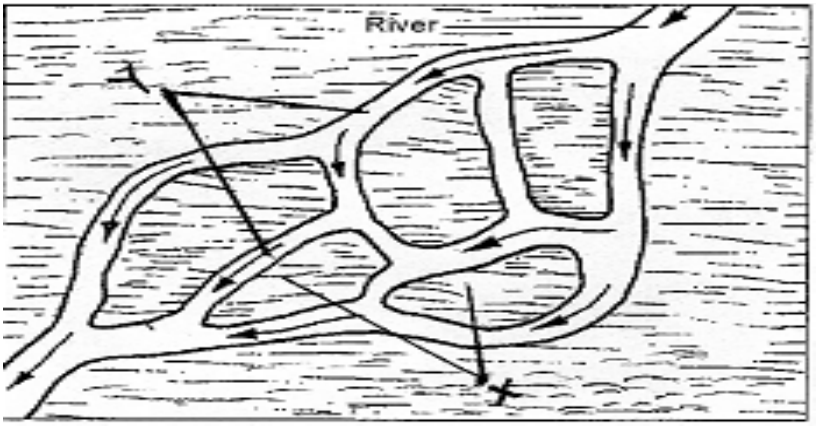
(b) Name **three** earthquake zones in the world. (**3marks)**

3 (a) Name the type of mass wasting represented by the diagram below. (**1mark**)



(b) State three conditions that are necessary for the occurrence of the type of mass wasting shown above. **(3marks**)

4. a) The diagram below shows a river braid. Identify the parts marked A, B. (**2marks)**



(b) State **three** conditions for the formation of a delta. **(3marks**)

5. (a) Name **two** types of ice masses found on mountains in East Africa (**2 marks)**

(b) Give **three** characteristics of a pyramidal peak. (**3marks)**

SECTION B

Answer Question 6 and any other two from this section.

6. Study the map of Oyugis 1:50,000 (sheet 130/1) provided and answer the following questions.

(a) (i) Give the six figure grid reference for the school at Nyamuga on the south western Part of the area covered by the map. (**1 mark)**

(ii) Name two districts covered by the map of Oyugis (**2 marks**)

(iii) Name two hydrographic features in the area covered by the map (**2marks**)

(iv) What is the bearing of the school at Okota from the school at Nyamuga (**2marks**)

(b) (i) Give the height of a hill at a grid square 6743 (**2 marks**)

(ii) State the dates for the construction of the map of Oyugis (**2 marks)**

(c) (i) Draw a rectangle measuring 12cm by 16 cm to represent the area enclosed by Eastings 71 and 74 and northings 21 and 25 **(1 mark**)

On the rectangle sketch and label the following features.

- Forest (**1 mark**)
- River Riana (**1 mark**)
- All weather road loose surface (**1 mark)**

(ii) Calculate the scale of the new map drawn (c) (i) above (**2 marks**)

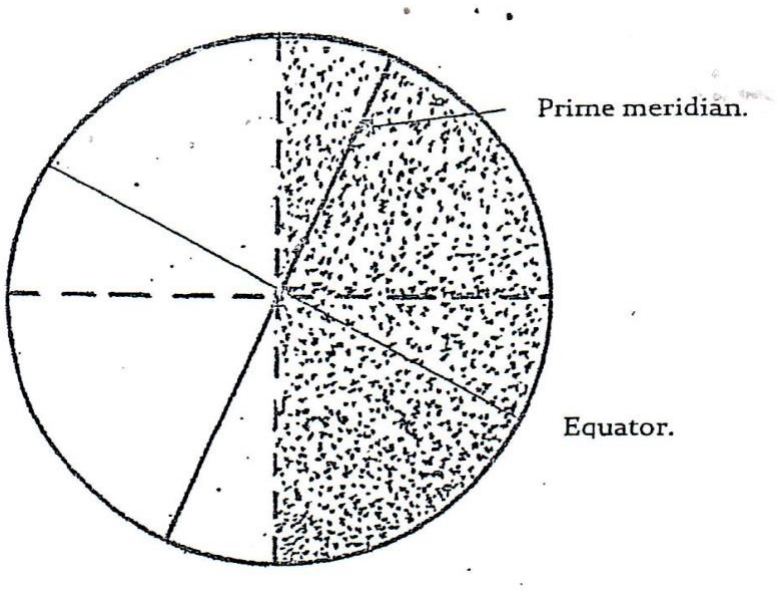
(d) (i) Citing evidence from the area covered by the map of Oyugis, explain factors that have favored the practice the practice of brick making. (**4 marks**)

(ii) Describe the distribution of relief features in the area covered by the map of Oyugis. (**4 marks**)

7. (i) What is the solar system? (**2marks**)

ii) Distinguish between a planet and a star (**2marks)**

b) Use the diagram below to answer question (b) (i) below



i) Identify the season experienced in the northern hemisphere (**1mark**)

ii) What happens in the southern hemisphere as the sun travels from the equator towards the Tropic of Capricorn (**3marks**)

c)i) Describe the passing Star theory **(4 marks**)

ii) Using a well labeled diagram, describe the formation of a lunar eclipse (**6 marks**)

d)i) Outline two proofs that the earth is a sphere. (**2 marks)**

ii) Describe how the rotation of the earth causes

- Day and Night (**2marks)**
- Deflection of winds and ocean currents (**3marks)**

8 (a) (i)) Name any three processes involved in the hydrological cycle **(3marks)**

(ii) Define the following terms as relates to rivers

Confluence (**2marks**)

Tributary (**2marks)**

(b) (i) Explain **four** factors that can influence a river to deposit its load (**8marks**)

(ii) Give **four** characteristics of a flood plain **(4marks**)

(d) (i) Differentiate between Arcuate delta from birds foot delta (**4marks**)

(ii) Give **two** uses of deltas in the world. (**2marks)**

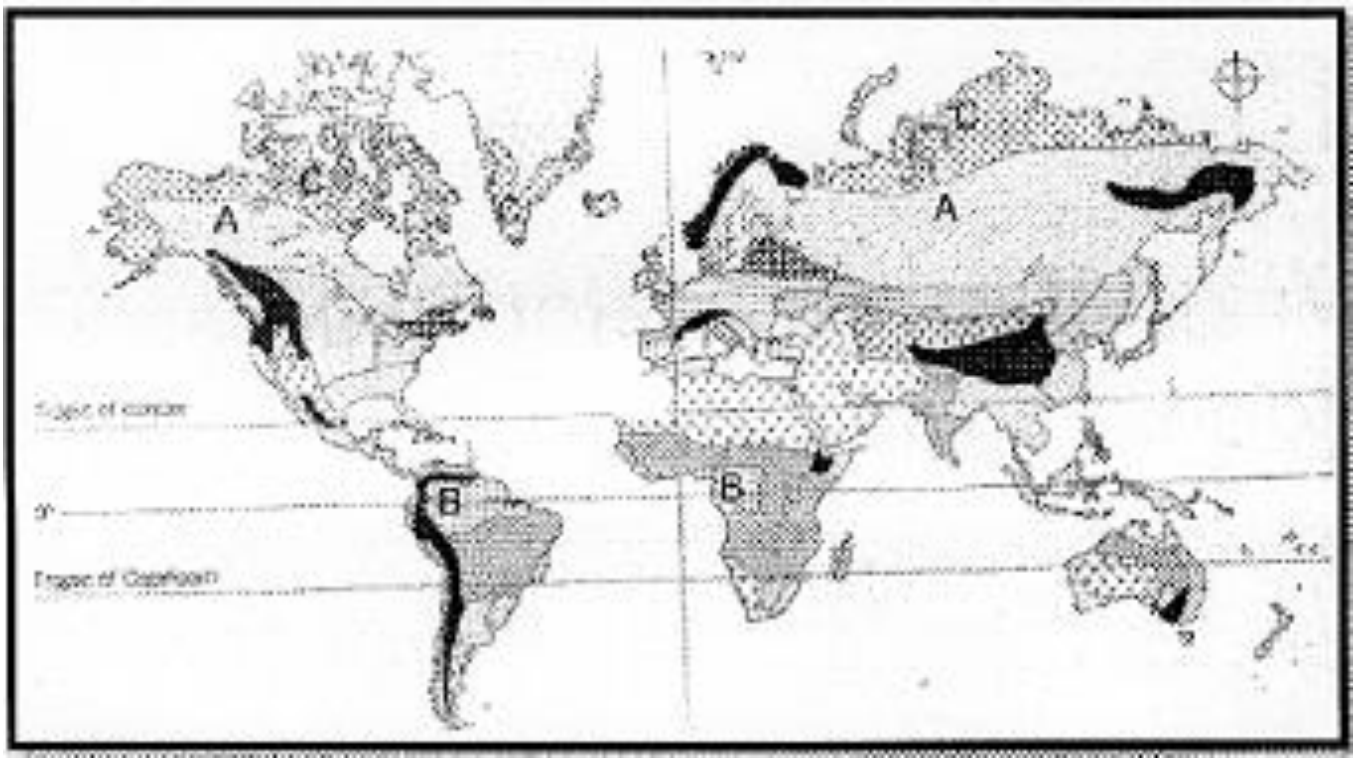
9 (a) What is secondary vegetation? (**2marks)**

(b) Explain how the following factors influence vegetation distribution in Kenya

- Soil fertility (**2marks**)
- Sunlight (**2marks)**
- Aspect (**2marks**)

(c) State **six** uses of savanna grassland vegetation in Kenya (**6marks**)

(d) The world map below shows world major vegetation zones use it to answer the questions below.



(i) Name the vegetation zones marked A, B, and C (**3marks**)

(ii) State the characteristics of Mediterranean vegetation (**8marks)**

10. a (i) State two conditions necessary for the formation of ice (2 marks)

(ii) Name three process of ice movement. (**3 marks**)

(b) Explain three factors which influence the rate of glacial erosion.

(6 marks)

(c) With the aid of well labeled diagrams, describe how a corrie lake is formed (**8 marks**)

(d) Suppose students from your school were to carry out a field study on of glaciation in low land areas of glaciated landscape.;

(i) Name two depositional features they are likely to study (**2 marks**)

(ii) State two problems they are likely to experience (**2 marks**)

(iii) State two methods that they will use to present data. (**2 marks**)

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