**Name …………………………………..………………Adm No …………….Class……………….**

**Index Number……….………………………….. Student’s signature……………………………**

312/1

**GEOGRAPHY**

PAPER 1

**TIME: 2 HRS 45MIN**

SEPTEMBER/OCTOBER

**WISDOM PRE-MOCK EXAMINATIONS 2021**

***Kenya Certificate of Secondary Education***

312/1

**GEOGRAPHY**

PAPER 1

**TIME: 2 HRS 45MIN**

SEPTEMBER/OCTOBER

**INSTRUCTIONS TO CANDIDATES**

1. This paper **has two sections**.
2. Answer **all** the **questions** in **Section A**.
3. Answer **Question 6** and any other **Two** questions from **section B**
4. All answers must be written in the answer booklet provided
5. This paper consists of **5** printed pages
6. Ascertain that all pages are printed as indicated.
7. (a) Define the term meteorite (2 marks)

(b) Give **three** reasons why in 360◦ Atlas, Pluto as a planet has been disqualified by the International Astronomical Union (3 marks)

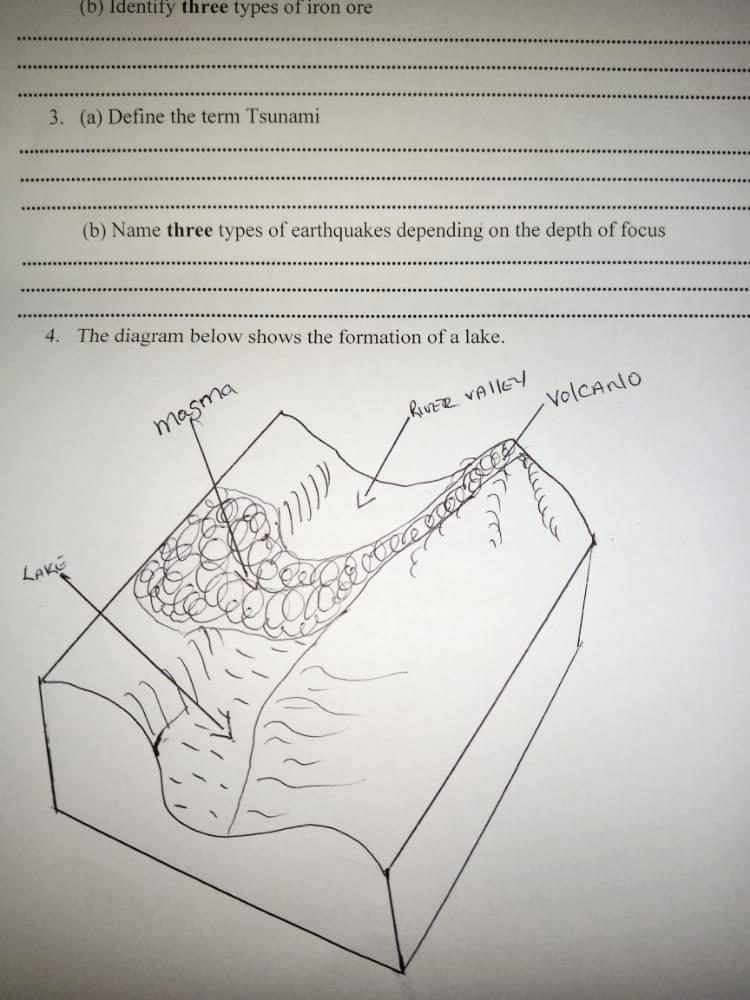
1. (a) Differentiate between cleavage and lustre in minerals (2 marks)

(b) Identify **three** types of iron ore (3 marks)

1. (a) Define the term Tsunami (2 marks)

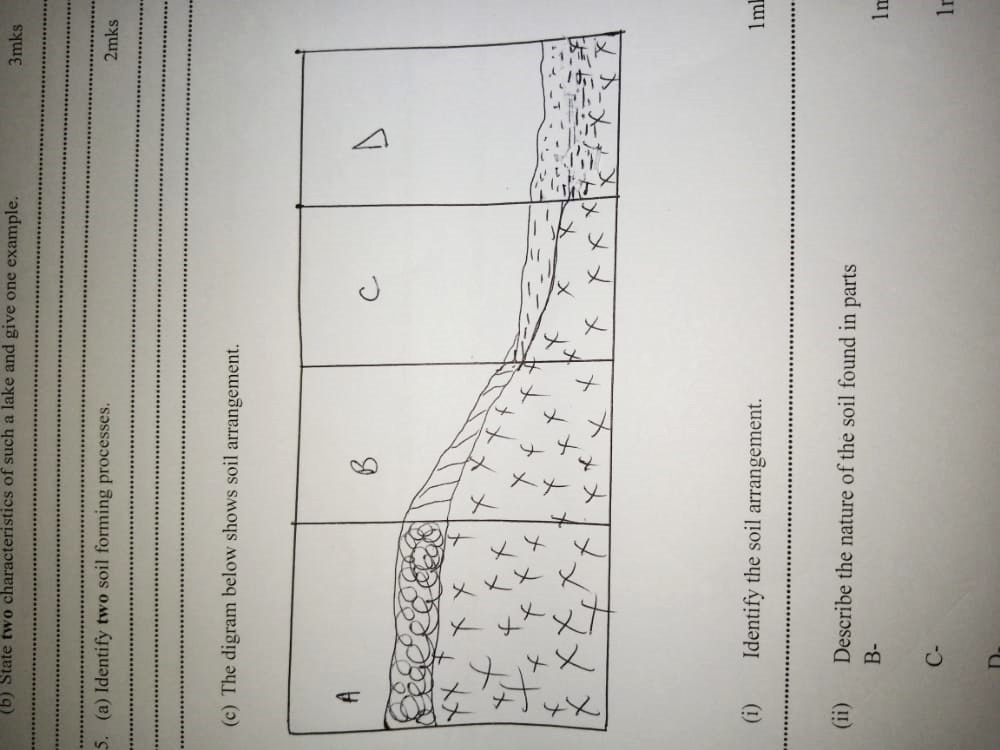
(b) Name **three** types of earthquakes depending on the depth of focus (3 marks

1. The diagram below shows the formation of a lake.



1. Identify the type of lake (1mark)
2. State **two** characteristics of such a lake and give one example. (3 marks)
3. (a) Identify **two** soil forming processes. (2 marks)

(b) The diagram below shows soil arrangement.



1. Identify the soil arrangement. (1 mark)
2. Describe the nature of the soil found in parts

B- (1 mark)

C- (1 mark)

D- (1 mark)

1. Study the map of Kijabe 1:50,000 sheet 134/3
2. (i) Give the vertical interval of the area covered by the map (1 mark)
3. Give the approximate height of the murrum pit at grid square 3297 (1 mark)
4. Identify **two** manmade features found at grid square 3495 (2 marks)
5. (i) Using the Map scale, draw a rectangle to represent the area enclosed by easting 31 and 34, and Northing 91 and 98. (1 mark)

On the rectangle, mark and name the following:

1. Forest (1 mark)
2. Bridge (1 mark)
3. Escarpment (1 mark)
4. All weather bound surface road (1 mark)

(ii) What evidence in the Kijabe map shows that the area receives high amount of rainfall (4 marks)

1. (i) Identify the activirties that take place as represented by the following features (2 marks)
2. Murrum pit-
3. Carbacid plant-
4. Citing evidence from the map explain **three** factors that favor dairy farming of kijabe area (6 marks)

(d) Citing evidence, explain **two** factors that have favored the location of a plantation in Kijabe (4 marks)

7. (a) (i) Define the term folding (2 marks)

(ii) What is an orogeny (2 marks)

(iii) Name two types of orogenies (2 marks)

(b) Describe how the plate tectonics theory contributes to the formation of Fold Mountains. (4 marks)

(c) (i) Identify **two** factors which influence folding of crustal rocks (2 marks)

(ii) Apart from fold mountains, name three other features formed by folding process (3 marks)

(iii) Using a well-labeled diagrams, describe the formation of fold mountains by the continental drift theory (6 marks)

(d) (i) Your class carried out a field study on a fold mountain region.

(ii) Give **two** alternative hypotheses that you could have formulated for the study (2 marks)

(iii) Give **two** reasons the student must have put into consideration before rejecting observation as a method of data collection (2 marks)

8. (a) (i) Define the term karst scenery (2 marks)

(ii) Give **three** conditions that influence the development of a karst landscape (3 marks)

(b) Describe the formation of a limestone cave (5 marks)

(c) (i) give **four r**easons why there are few settlement in karst region (4 marks)

(d) (i) Explain **three** factors that favor existence of underground water (6 marks)

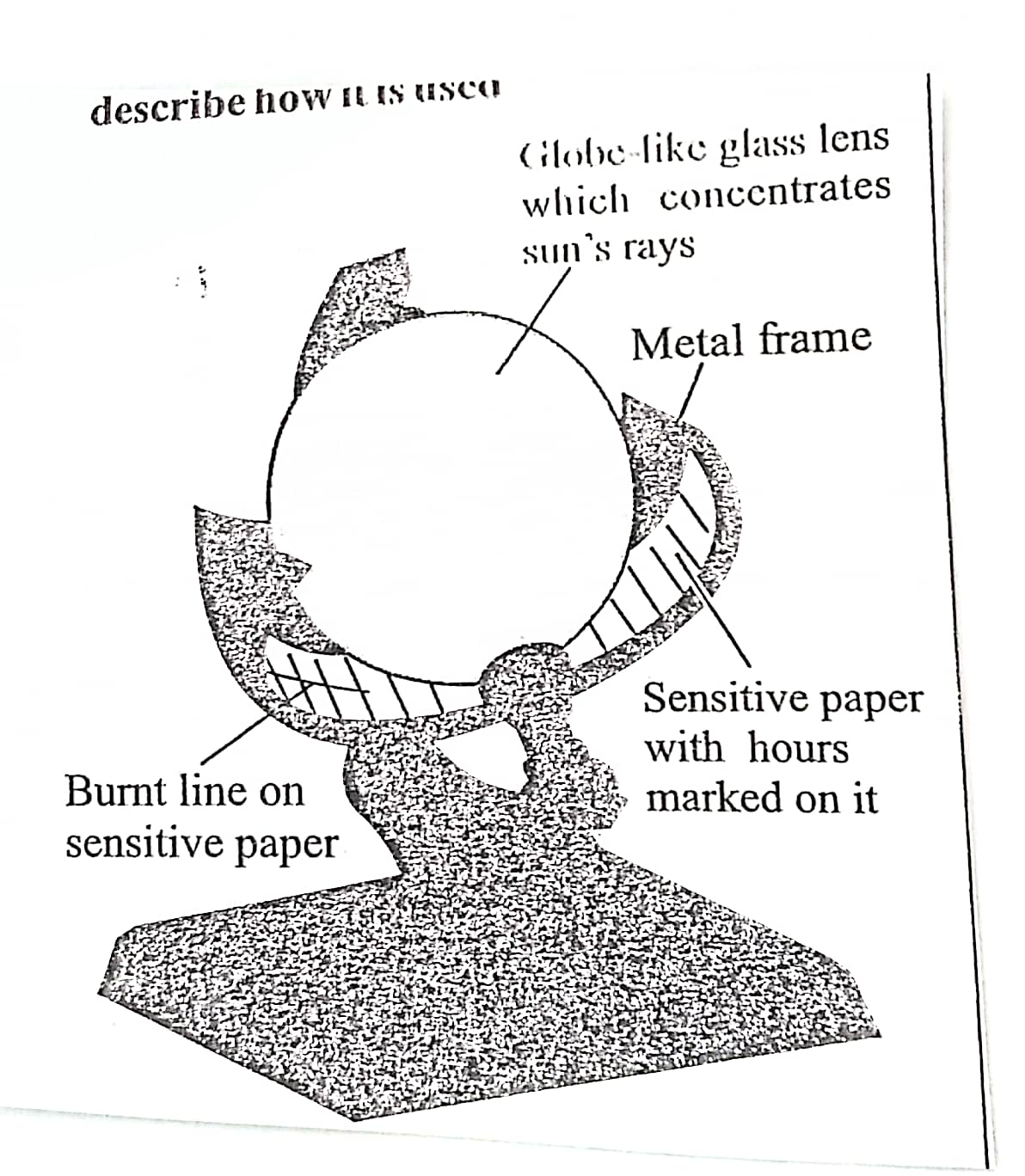
(ii) Give the significance of ground water (5 marks)

9. (a) (i) Define weather (2 marks)

(ii) Give three reasons why weather forecasting is important (3 marks)

(b) (i) Using a well-labeled diagram, describe the formation of convectional rainfall (5 marks)

(ii) Name the instrument shown below and describe how it is used (5 marks)



(c) (i) Differentiate between mist and fog (2 marks)

(ii) Give **four** causes of temperature inversion (2 marks)

(iii) Your geography class carried out a field study on weather in a school weather station. Give **four** reasons why it would be difficult to obtain accurate data from school weather station. (4 marks)

10. (a) (i) Define the term glaciation. (2 marks)

(ii) Give **two** processes of glaciation movement (2 marks)

(b) Explain three factors that influence glacial erosion (6 marks)

(c) Describe the formation of cirque lake (6 marks)

d. (i) Apart from rock pedestal name two other erosion feature formed by wind in desert. (2 marks)

(ii) With well labeled diagrams describe the formation of a rock pedestal. (7 marks)