



**ZERAKI ACHIEVERS' EXAMINATIONS (2021)**  
**TERM 3 END YEAR EXAM - 2021**  
**GEOGRAPHY**

**(THEORY)**

**312/2**

**FORM ONE**

Time 2 ½ hours

Name.....Sign..... Date .....

**Instructions:**

- (a) This paper has two sections, A and B.
- (b) Answer all questions in both sections.

**SECTION A (25 marks)**

1. (a) Define the term field work. (2mks)

(b) Name three types of field work. (3mks)

2. (a) Explain what each of these areas of human geography study:

(i) Population geography. (2mks)

(ii) Agricultural geography. (2mks)

(b) Give a reason which makes the study of geography important. (1mk)

3. (a) Define a map. (2mks)

(b) State three characteristics of a good sketch map. (3mks)

4. The table below shows climatic characteristics of a station Y. Use it to answer the questions below:

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp. $^{\circ}\text{C}$	21	20	20	17	14	13	12	12	14	16	18	20
Rainfall (mm)	12	19	17	42	67	98	68	76	36	45	12	13

(a) Calculate (i) the temperature range of the station. (2mks)

(ii) mean annual rainfall (2mks)

(b) Name the instrument used to measure amount of rainfall. (1mk)

5. (a) What is precipitation? (2mks)

(b) Name any three forms of precipitation common in Kenya. (3mks)

**SECTION B: Answer ALL the questions. (75 Marks)**

6. Study the table below and then answer the questions that follow:

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp. $^{\circ}\text{C}$	20	20	18	16	13	10	10	13	16	18	19	16
Rainfall (mm)	112	97	75	61	22	9	8	5	25	69	116	111

(a) (i) Using a scale of 1cm to rep. 20mm and 1cm to rep.  $5^{\circ}\text{C}$ , draw a combined bar and line graph. (8mks)

(ii) State one relationship between rainfall and temperature as shown by your graph. (1mk)

(iii) State any two advantages of using above method to represent data. (2mks)

(b) (i) Define an air mass? (2mks)

(ii) State any three general characteristics of air masses. (3mks)

(c) Your class intends to conduct a field study of a weather station near your school.

(i) State three preparations you would make before the study. (3mks)

(ii) Suggest any three follow up activities you would be engaged in.(3mks)

(iii) Give three reasons why weather data may be inaccurate. (3mks)

7. (a) (i) Differentiate between a rock and a mineral. (2mks)

(ii) Apart from sedimentary rocks name two other types of rocks. (2mks)

(iii) State any three characteristics of sedimentary rocks. (3mks)

(b) (i) Give three factors that influence occurrence of minerals. (3mks)

(ii) Name two underground mining methods. (2mks)

(iii) Give any three mineral fuels. (3mks)

(c) Explain five benefits of rocks. (10 mks)

8. (a) (i) State three sources of information about the interior of the earth. (3mks)

(ii) Suggest two reasons why the interior of the earth is still hot. (2mks)

(b) (i) Apart from the atmosphere, name one other external structure of the earth.

(1mk)

(ii) State any two importance of the constituents of the atmosphere. (2mks)

(iii) State three characteristics of the troposphere. (3mks)

(c) (i) Define the term eclipse. (2mks)

(ii) Using well labelled diagram describe how lunar eclipse occurs. (4mks)

(d) (i) Differentiate between rotation and revolution. (2mks)

(ii) State four effects of revolution of the earth. (4mks)

(iii) State four characteristics of continental crust. (4mks)