

**GEOGRAPHY  
COMBINED PAPER  
2018`  
2 ½ hours**

**Form Three  
GEOGRAPHY  
Paper  
2 ½ hours**

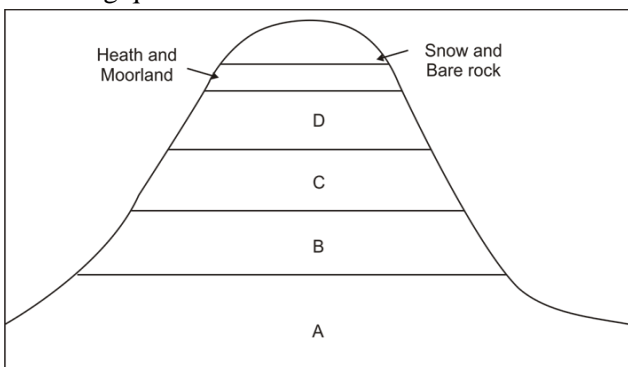
**Instructions to candidates**

- (a) This paper contains two sections: A and B.*
- (b) Answer **all** the questions in section A and B.*
- (c) All answers must be written in the foolscaps provided.*
- (d) This paper consists of 3 printed pages.*
- (e) students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.*

**SECTION A (25 MARKS)**

***Answer ALL questions in this section.***

1. a) State **two** forces that shape the surface of the earth. (2marks)
- b) State **three** characteristics of the crust. (3marks)
2. (a) State **two** traditional methods of forecasting weather. (2 marks)
- (b) Mention **three** factors that hinder weather forecasting. (3 marks)
3. Use the diagram below of a mountain vegetation zone of a mountain in Kenya to answer the following questions.



- a) Name vegetation zones A, B, and D. (3marks)
- b) Explain three importance of vegetation in zone C. (2marks)
4. a) Give three components of the solar system. (3marks)
- b) State two theories of the origin of the solar system. (2marks)
5. The table below shows temperature and rainfall figures for Transtein , Germany . Use it to answer the questions that follow.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temps in 0 <sup>o</sup> c	-4	-2	2	6	11	15	16	16	12	7	2	-2
Rainfall in mm	84	78	97	114	143	181	188	167	150	96	85	96

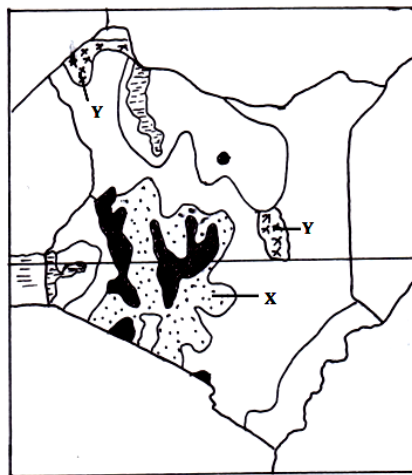
- (a) Calculate the annual range of temperature. (2marks)
- (b) Describe the climate of the above station (3marks)

**SECTION B (75 MARKS)**

***Answer all questions in this section.***

6. a) (i) Define the term faulting. (2 marks)
- (ii) Mention three types of features associated with faulting. (3 marks)
- (iii) With the help of a diagram explain the formation of the rift valley through the tension process. (7 marks)
- Supposing you were to carry out a field study on the Rift Valley.
- b) (i) State any two objectives of the study. (2 marks)

- (ii) State three importance of studying faulting through field work. (3 marks)
- (iii) Explain the significance of faulting to human activities. (8 marks)
7. (a) (i) Name **three** types of rocks according to their mode of formation. (3 marks)
- (ii) Mention **three** areas where sedimentary rocks are found in Kenya. (3 marks)
- (b) (i) State **four** characteristics of sedimentary rocks. (4 marks)
- (ii) Describe the formation of mechanically formed sedimentary rocks. (5 marks)
- (c) Explain **five** significance of rocks to the economy of Kenya. (10 marks)
8. Explain how the following factors influence the distribution of vegetation.
- (i) Climate (2 marks)
- (ii) Human beings (2 marks)
- (b) The map below shows some vegetation zones of Kenya. Use it to answer question (i).



- (i) Name the vegetation zone marked X and Y. (2 marks)
- (ii) Give two uses of Savannah vegetation. (2 marks)
- (iii) Describe the characteristics of Mediterranean type of vegetation. (5 marks)
- (c) Explain three ways in which desert vegetation adapts to climatic conditions. (6 marks)
- (d) You are planning to carry out a field study of the vegetation within the local environment.
- (i) State three preparations you will make for the field study. (3 marks)

(ii) How will you identify the different types of vegetation?

(3 marks)