NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ INDEX NO. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCHOOL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SIGNATURE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**312/1**

**GEOGRAPHY**

**PAPER 1**

JULY/AUGUST, 2015

**TIME: 2¾ HOURS**

312/1

GEOGRAPHY

PAPER 1

TIME: 2¾ HOURS

INSTRUCTIONS TO CANDIDATES

* This paper has **two** sections: **A** and **B.**
* Answer **all** the questions in section **A**.
* Answer question **6** and any other **two** questions from Section **B**.
* All answers **must** be written in the answer booklet provided.
* Candidates should answer the questions in English.
* 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 questions are missing.

**SECTION A** (25 MARKS)

 ***Answer all questions in this section in the answer booklet provided.***

1. a) What is a:

 i) Sea breeze? (2 marks)

 ii) Land breeze? (2 marks)

 b) Name **one** effect of land and sea breezes in places where they occur. (1 mark)

2. State **five** factors that influence landslides in Kenya. (5 marks)

3. The sketch below is a coastal landscape. Study the sketch and answer the questions below.



**D**

**E**

**A**

**B**

**B**

**B**

**D**

**C**

1. Name features A to D. (2 marks)
2. State **three** evidences of emerged coastline. (3 marks)

4. a) What is ice cap? (2 marks)

 b) Name **three** resultant features of glacial erosion. (3 marks)

5. a) Define an equinox. (2 marks)

 b) State **three** characteristics of the summer solstice. (3 marks)

**SECTION B** (75 MARKS)

***Answer question 6 and any other two questions from this section in the answer booklet provided.***

6. Study the map of Migwani 1:50,000 (sheet 151/1) provided and answer the following questions.

a) i) What is the four figure grid reference of the school at Mui? (2 marks)

 ii) What is the bearing of the school at Usiani from the trigonometrical station near

 Kyawea? (2 marks)

 iii) Measure the distance in kilometres of the dry weather road from grid reference 800989

 to grid reference 840002. (2 marks)

b) Citing evidence from the map, state three functions served by Mutitu (Ndoa) town. (6 marks)

c) Explain **three** factors that influence settlement in the area. (6 marks)

d) Identify **three** sources of water in the area covered by the map. (3 marks)

e) You intend to carry out a field study in Mutitu forest. Explain **four** problems you are

 likely to encounter. (4 marks)

7. a) Give an account of:

 i) A lava volcano (6 marks)

 ii) A composite volcano (6 marks)

 b) Explain advantages and disadvantages of vulcanicity. (8 marks)

 c) When conducting field study in an area that has experienced vulcanicity, what aspects

 would you address? (5 marks)

8. a) Differentiate between aridity and desertification. (4 marks)

 b) Explain **five** causes of aridity and desertification. (10 marks)

 c) Discuss three causes of climate change. (6 marks)

 d) Give **five** characteristics of savanna vegetation. (5 marks)

9. a) Describe the following processes in arid areas.

 i) Abrasion (2 marks)

 ii) Deflation (2 marks)

 iii) Attrition (2 marks)

 b) With the aid of a diagram, explain how an oasis is formed in a desert landscape. (8 marks)

 c) The diagram below represents features found in a Karst topography.

 

**S**

**Q**

**R**

**P**

1. Identify features marked P, Q, R, S. (4 marks)

ii) Explain the formation of feature P. (3 marks)

d) Explain **two** effects of karst topography to farming. (4 marks)

10. a) i) What is a river’s load? (1 mark)

 ii) Explain how a river transports its load. (8 marks)

 iii) What is river capture? (1 mark)

 iv) With the use of a diagram, explain how river capture occurs. (4 marks)

 b) Name any **four** features of river deposition. (4 marks)

 c) List **six** economic uses of rivers. (3 marks)

 d) If you were to carry out a field study on the upper course of river Tana, name **four**

 features you are likely to observe. (4 marks)