**312/2**

**GEOGRAPHY**

**PAPER 1**

**July/August 2016**

**2hours**

**TOP EVALUATION EXAMINATIONS – 2016**

**Form 3**

GEOGRAPHY

**Paper 1**

**2hours**

**Instructions to Students**

1. *This paper contains two sections:* ***A*** *and* ***B****.*
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. ***Students should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing***.
7. Name two layers of discontinuity that are part of the interior structure of the earth. (2marks)

 (b) Identify any **three** areas covered under human and economic Geography. (3 marks)

1. (a) List theories that explain the origin of Fold Mountains. (2 marks)

(b) State three positive significance of folding. (3 marks)

1. (a) At town A 40◦E time is 1 pm what is the time at town B 40◦E? (2 marks)

(b) State **three** characteristics of comets. (3 marks)

1. (a) Differentiate between rocks and minerals. (2 marks)
2. Give **three** changes that occur in rocks during metamorphism. (3 marks)
3. (a) Identify two types of desert. (2 marks)

 (b) State **three** characteristics Tropical Monsoon Climate. (3 marks)

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**SECTION B (75 MARKS)**

***Answer question 6 (compulsory)& any other TWO questions from this section.***

**Use map of Migwani 151/1 provided to answer question 6**

1. (a)Name **two** type of natural vegetation found along northing 68. (2marks)

(b)Citing evidence from the map, explain three factors that could have favoured the establishment of Mutitu (Ndooa) Town in the area (6marks)

 (c) Measure the approximate distance of all weather loose surface road to the north west of the map.

 (2 marks)

(d) Describe the drainage of the area covered by the map. (6 marks)

 (e) Giving evidence in each case, identify **four** social services offered at Mtito Ndoa. (4 marks)

 (f) Citing evidence from the map, state three economic activities carried out in area carried by the map (3marks)

(g) List two types of scales shown on the map. (2 marks)

1. (a) The picture below shows a type of river erosion. Use it to answer the questions after it.



(i) Identify the feature. (1 mark)

 (ii) List three characteristics of the feature above. (3 marks)

(iii) Describe **three** modes of the formation of the feature above. (6 marks)

 (b) (i) What is river transportation? (1 mark)

 (ii) Explain **three** ways of river transportation. (6 marks)

 (c) List any **three** types of deltas. (3 marks)

(d) State positive **five** significance of rivers. (5 marks)

1. Your class is planning to go on field work to study organically and chemically formed sedimentary rocks in the neighbouring village.
2. Give **five** ways in which you would prepare for the field work. (5 marks)*.*
3. Suggest **four** ways in which you would classify the rocks under study. (4 marks)
4. Since it is a place you do not know well, you have resorted to ask for a map.
5. What type of map will you be given? (1 mark)
6. Mention **three** characteristics of the map in c(i). (3 marks)
7. State **three** uses of the map above. (3 marks)
8. State **five** importance of field work to a student. (5 marks)
9. Mention **four** challenges you are likely to face during this field work. (4 marks)

9. (a) What is weathering? (1 mark)

 (b) Apart from people, list **three** other agents of weathering. (3 marks)

 (c) Explain three factors that influence weathering. (6 marks)

 (d) Identify **two** human activities that accelerate the rate of weathering. (2 marks)

 (e) The picture below shows a type of mechanical weathering. Use it to answer questions that follow.



1. With a reason, identify the process shown in the picture. (2 marks)
2. Why is the process shown effective in arid areas? (1 mark)
3. Describe the process above. (4 marks)

(f) Explain **three** importance of weathering. (6 marks)

10.(a)(i) What is vulcanicity? (1 mark)

 (ii) Differentiate between an intrusive volcanic feature and extrusive volcanic feature. (2marks)

(b) Use the diagram below to answer the questions that follow.



**Crater**

 **B**

**C**

**Vent**

1. Identify the type of volcano represented above (1mark)
2. Name the parts marked B,C (2marks)
3. Mention **three** features of above volcano above. (3 marks)
4. Explain any three features that are formed as a result of intrusive vulcanicity. (6 marks)

 (c) List and explain the three life cycles of a volcano. (6marks)

 (d) Give two differences between a hot spring and geyser. (2 marks)

 (e) State **three** negative effects of vulcanicity to human environment. (3 marks)