

# **FORM THREE TERM ONE EXAM 2017**

## **GEOGRAPHY PAPER 1**

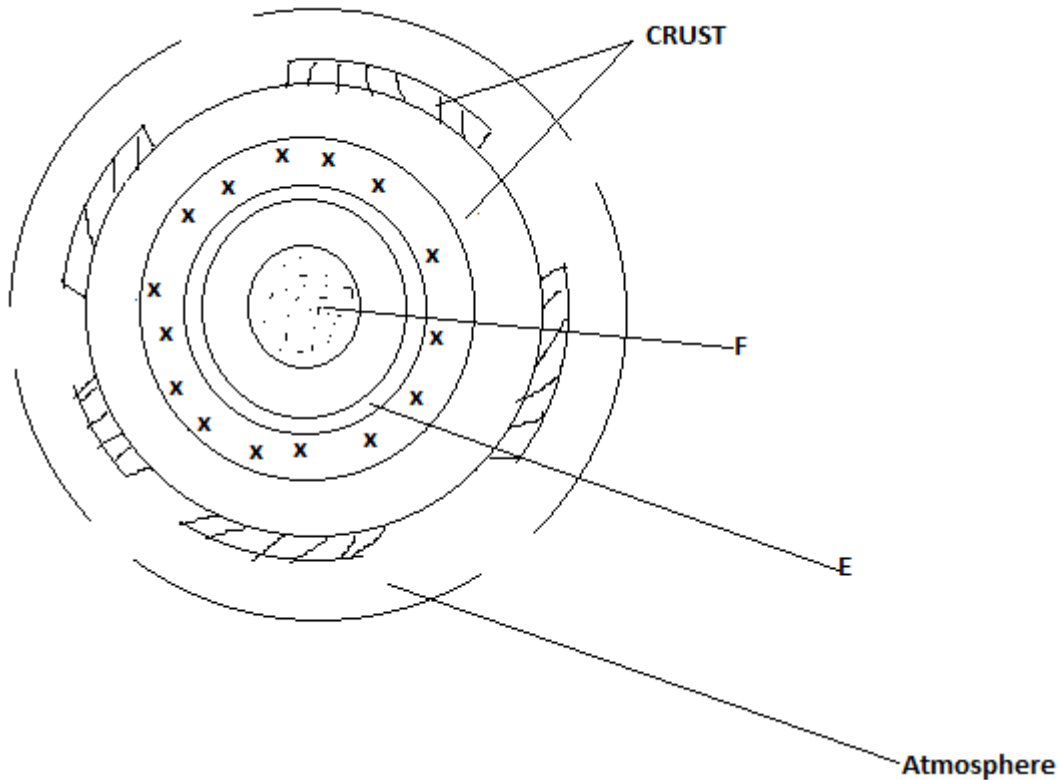
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1. The diagram below shows the structure of the earth. use it to answer (a)



(a) Name the parts marked E and F (2mks)

(b) State three characteristics of the atmosphere (3mks)

2 (a) Identify two forms of rock metamorphism (2mks)

(b) State the exclusive equivalent of the following intrusive igneous rocks

(i) Granite (1mk)

(ii) Diorite (1mk)

(iii) Gabbro (1mk)

3 (a) What is a seismic wave? (2mks)

(b) State three ways in which earth quakes affect human activities. (3mks)

4. (a) Differentiate between illuviation and salinization. (2mks)

(b) State three importance of water as a soil property. (3mks)

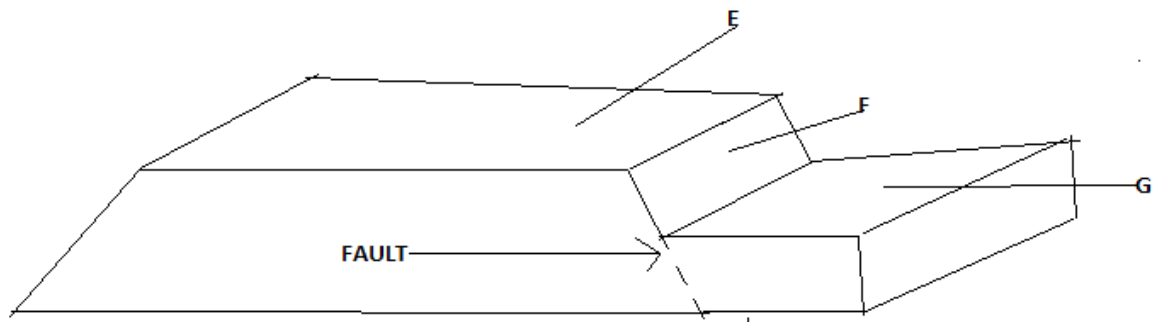
5 (a) Identify two types of deltas. (2mks)

(b) State three conditions ideal for the formation of a delta (3mks)

6. Study the data in the following table and answer questions (a) and (b). Kenya's leading imports by value (Ksh Million)

Crop/year	Wheat	Maize	Rice	Coca
2006	5400	4700	2000	700
2007	7200	3800	2600	420
2008	6400	1400	1900	580
2009	6800	4600	2400	800

- (a) Calculate the percentage increase in expenditure on importation of wheat in the year 2006 and 2007 (2mks)
- (b) (i) Draw a compound bar graph to represent the Kenya's leading import crops by value between 2006 and 2009 (8mks)
- (ii) State two advantages of using compound bar graphs to represent data (2mks)
- (c) State four reasons why Kenya imports maize, wheat and rice and she still produces them? (4mks)
- (i) State physical conditions favouring wheat growing in Kenya (3mks)
- (ii) Explain three reasons why Canada produces more wheat than Kenya (6mks)
- 7 Differentiate between fissure and vent eruption (2mks)
- (b) Describe how the following features are formed
- (i) Batholiths (6mks)
- (ii) Volcanic plug (5mks)
- (c) Explain three negative effects of volcanicity on human activities (6mks)
- (d) You are planning to carry out a field study on features formed by volcanicity on the landscape
- (i) Formulate two null hypotheses for the study (2mks)
- (ii) Name two drainage features you are likely to study (2mks)
- (iii) State two methods you would use to record information during the study. (2mks)
8. (i) What is reverse fault? (2mks)
- (ii) The diagram bellow represents an area affected by faulting Name the parts marked E,F and G (3mks)



b Describe the processes involved in the formation of the following features

(i) Fault steps (5mks)

(ii) Rift valley by anticlinal arching

c Explain four ways in which block mountains influence climate

9. Name two mountains in East Africa where congelifraction is common (2mks)

(b) Describe the following types of weathering

(i) Pressure release (5mks)

(ii) Hydration (4mks)

(iii) Oxidation (4mks)

(c) Explain three ways in which plants cause weatherings (6mks)

(d) What is an avalanche? (1mk)

(ii) State three effects of avalanche (3mks)