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**KENYA NATIONAL EXAMINATION COUNCIL  
REVISION MOCK EXAMS 2016  
TOP NATIONAL SCHOOLS**

**SACHO HIGH SCHOOL  
GEOGRAPHY  
Paper 1**

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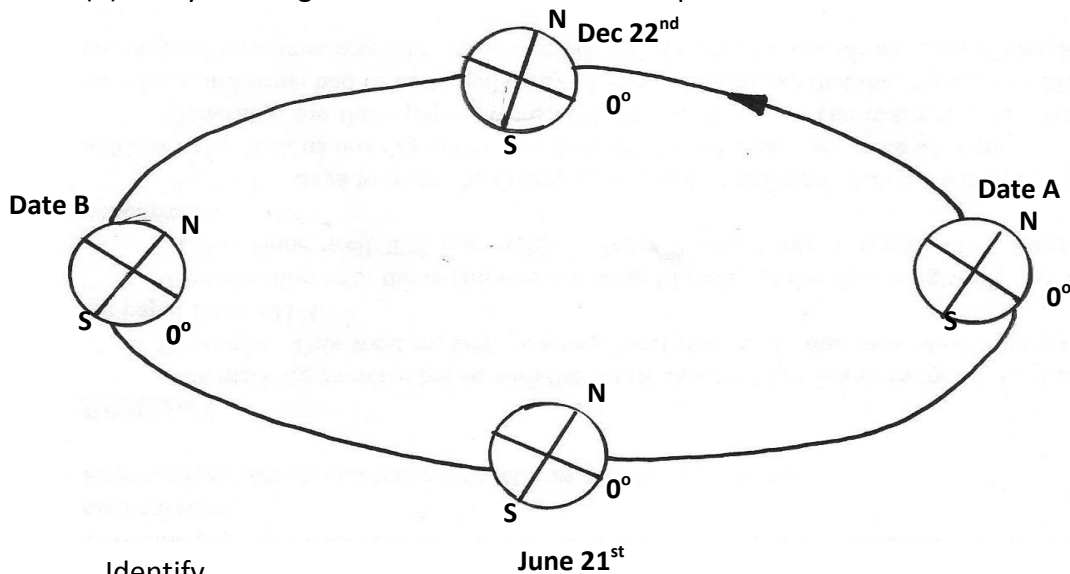
**SACHO HIGH SCHOOL TRIAL AND  
PRACTICE EXAM 2016**

312/1  
**GEOGRAPHY  
PAPER 1**

**SECTION A: 25 MKS**

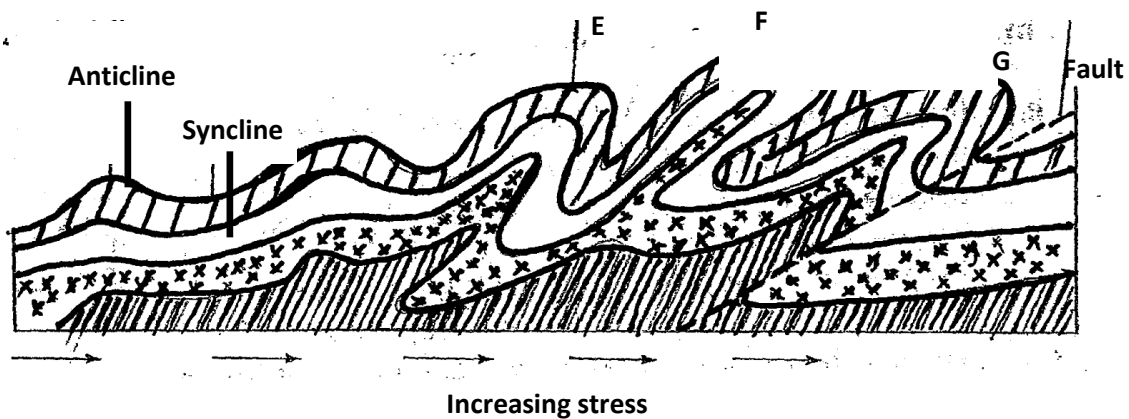
**Answer all questions in this section**

1. (a) Differentiate between rotation and revolution of the earth (2mks)  
(b) Study the diagram below and answer the questions that follow



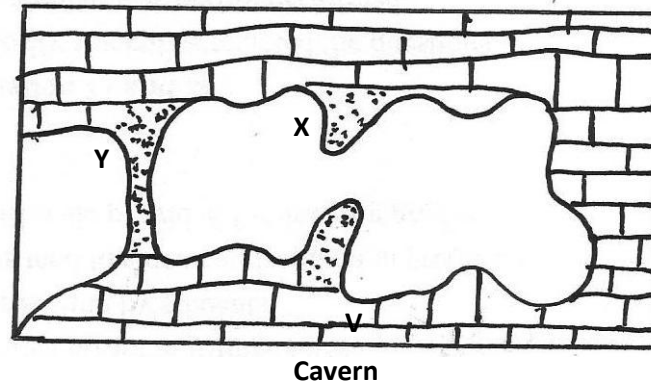
Identify

- (i) The season marked X (1mk)  
(ii) The date marked by A (1mk)  
(c) State **one** characteristic of the summer solstice (1mk)
2. The diagram below shows same types of folds. Use it to answer question (a)



- (a) Name the type of folds marked E, F and G (3mks)  
(b) State **two** causes of folding (2mks)
3. (a) State **three** ways in which wind transports its load (3mks)  
(b) Identify **two** features produced by water in arid areas (3mks)
4. (a) Describe how Lake Victoria was formed (3mks)  
(b) State the economic importance of lake Naivasha (2mks)

5. The diagram below represents underground features in a limestone area. Use it to answer question (a)



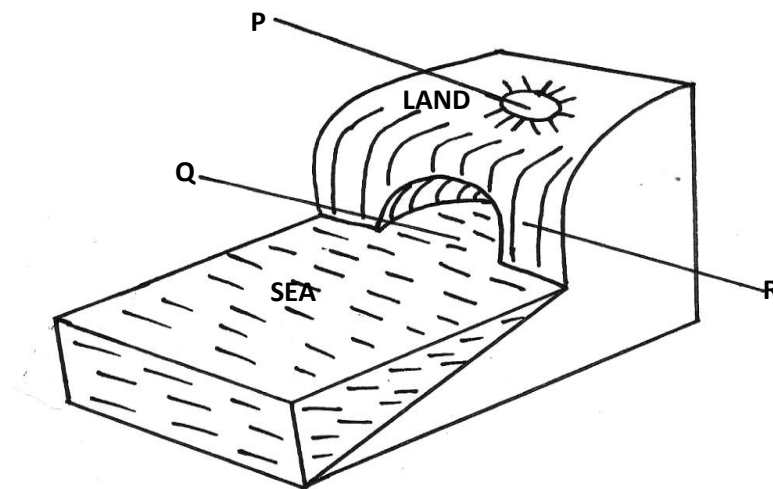
- (a) Name the features marked **X** and **Y** (2mks)  
 (b) Describe how the feature marked **V** is formed (3mks)

### SECTION

#### Answer question 6 and Any other two questions from this section

6. (a) (i) Identify two physical features found in grid square 0450 (2mks)  
 (ii) What is the position of Airport principal point +13A/97 5047 in grid square 9354 using latitudes and longitudes (2mks)  
 (iii) Measure the length of the all weather road loose surface E1706 from the junction at the market grid square 867576. Give your answer in metres(2mks)  
 (b)(i) Draw a cross section along Northing 51 between Eastings 82 and 88 . Use a scale 1cm rep 50ft. On the section mark and name  
 River Sagana  
 Loose surface road  
 Hill  
 River Rathithi (7mks)  
 (ii) Calculate the vertical exaggeration of the section (2mks)  
 (c) Citing evidence from the map, state four economic activities of the area covered by the map (4mks)  
 (d) Explain how relief has influenced the distribution of settlement in the area covered by the Map (4mks)
7. (a) State **three** characteristics of Inter-Tropical convergence zone (3mks)  
 (b) Describe the characteristics of Equatorial climate (6mks)  
 (c) (i) State **three** different ways by which air condenses to form rainfall may be madetrise (3mks)  
 (ii) With the aid of a well –labelled diagram, describe how relief rainfall is formed (6mks)  
 (d) Form 4 students of Rabwao secondary school is planning to conduct a field study in a weather station near their school.  
 (i) State **three** ways in which they will prepare for the study (3mks)  
 (ii) Describe how they would use a rain gauge to collect their data(4mks)
8. (a) What is the different between mass wasting and weathering (2mks)  
 (b) (i) Apart from soil creep, name two other processes of slow mass movement (2mks)  
 (ii) Explain **three** causes of soil creep (6mks)

- (iii) Explain **three** physical conditions that influence landslides (3mks)
  - (c) Describe the following processes of mass wasting
    - (i) Rock fall (2mks)
    - (ii) Subsidence (2mks)
    - (iii) Mud flows (2mks)
  - (d) Explain the effect of weathering in the following
    - (i) Tourism (2mks)
    - (ii) Agriculture (2mks)
    - (iii) Pottery (2mks)
9. (a) (i) What are tides? (2mks)
- (ii) Give **four** causes of ocean currents (4mks)
- (b) State **four** factors that influence the development of coasts (4mks)
- (c) The diagram below represents some coastal features. Use it to answer the questions below



- (i) Name the features marked **Q** and **R** (2mks)
  - (ii) Describe how the feature marked **P** is formed (5mks)
  - (d) Explain four ways in which coastal landforms is significant to the economy of Kenya (8mks)
10. (a) (i) What is a glacier? (2mks)
- (ii) Name **two** mountains in E. Africa where glaciers are found (2mks)
- (b) (i) Describe plucking as a process in glacial erosion (4mks)
- (ii) State **three** factors that influence glacial erosion (3mks)
- (c) Describe how the following features are formed
- (i) Pyramidal peak (4mks)
  - (ii) Hanging valley (4mks)
- (d) Explain **three** negative effects of glaciations (6mks)