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PRE-MOCK

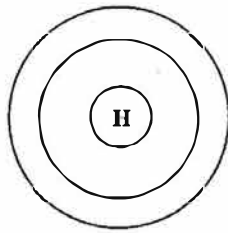
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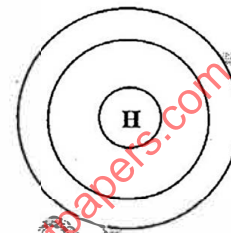
SECTION A

Answer all questions in this section

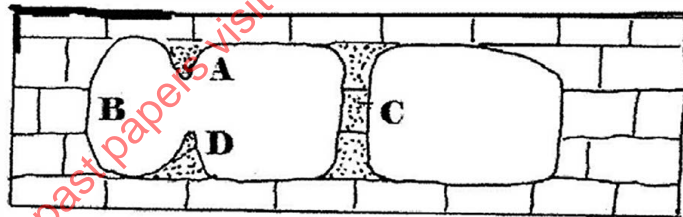
1. a) Name the minerals that make up the inner crust. (2 mks)
b) Give three evidences that support the theory of continental drift. (3 mks)
2. a) The diagrams below shows anticyclones in the northern and southern hemisphere respectively. On the diagrams indicate the direction of winds. (2 mks)



Key
H – High pressure



- b) State three effects of the inter tropical convergence zone (ITCZ) on climate. (3 mks)
3. a) State three factors that favour development of a delta. (3 mks)
b) Name two features that result from river rejuvenation. (2 mks)
4. The diagram below shows underground karst scenery. Use it to answer question (a) and (b)



- a) Name the features marked A, B and C. (3 mks)
- b) Describe how feature marked D is formed. (2 mks)
5. a) Give two types of lakes. (2 mks)
b) Give three ways in which islands are formed in the sea. (3 mks)

SECTION B

Answer question 6 any other two questions from this section

6. You are provided with the map of Oyugis (1:50,000). Use it to answer question 6

- (a) (i) What is the magnetic variation of Oyugis at the time the map was taken (1mk)
- (ii) Identify the two districts covered by Oyugis (2mks)
- (b) Explain how the following factors have affected transport system in Oyugis area
- Relief (2mks)
 - Drainage (2mks)
 - Settlement (2mks)
- (c) (i) Identify two economic activities taking place within grid square 9025 (2mks)
- (ii) What is the distance covered by a student in meters travelling from the road junction (8925) to the dispensary (8527) (2mks)
- (d) Describe the drainage of Oyugis area (5mks)
- (e) Students of Kanyajuok School carried out a field study in the area covered by the map on Vegetation.
- (i) How did they define a hypothesis? (1mk)
- (ii) State three examples of hypothesis they would have derived for the field study (3mks)
- (iii) Give three problems they are likely to face during the field study (3mks)
7. a) (i) Distinguish between vulcanicity and volcanicity. (2 mks)
- (ii) Name three cycles of a volcano. (3 mks)
- (iii) Identify three causes of vulcanicity. (3 mks)
- b) (i) Explain how a volcanic plug is formed. (6 mks)
- (ii) Explain three ways in which vulcanicity may influence the climate of the surrounding areas. (6 mks)
- c) State five economic effects of vulcanicity to man. (5 mks)
8. a) Describe how ice is formed. (3 mks)
- b) Using well labeled diagrams explain how the following features are formed.
- (i) Roche moutonnée (4 mks)
- (ii) Crug and tail (4 mks)
- (iii) Moraine dammed lakes (4 mks)
- c) State five economic uses of glaciated lowland features. (5 mks)
- d) You are supposed to carry out a field study on a landscape influenced by glaciation.
- (i) State three reasons why you will require a working schedule. (3 mks)
- (ii) State two follow up activities you would undertake after the field study. (2 mks)

9. a) List;
- (i) Four characteristics of desert soils. (4 mks)
 - (ii) Two factors that contribute to soil leaching. (2 mks)
- b) Explain how each of the following factors influence the formation of soil
- (i) Parent rock (2 mks)
 - (ii) Living organisms (2 mks)
 - (iii) Topography (2 mks)
- c) Draw a well labelled profile of a mature soil. (5 mks)
- d) Differentiate between a soil profile and catena. (2 mks)
- e) Explain three ways in which human activities contribute to soil erosion. (6 mks)
10. a) (i) Apart from emerged coasts, name two other types of coasts. (2 mks)
- (ii) Give three characteristics of an emerged highland coast. (3 mks)
- b) (i) State three conditions necessary for the formation of a sandspit. (3 mks)
- (ii) Using a well labeled diagram explain how a blow hole is formed. (4 mks)
- c) (i) Explain how coastal features are important to man. (4 mks)
- (ii) State three sources of salt found in sea/ocean water. (3 mks)
- (iii) Name two seas found in the world. (1 mk)
- d) Students of Chemuwo Girls high school conducted a field study on wave deposition along the Kenyan coast.
- (i) State two hypothesis they might have formulated for the study. (2 mks)
 - (ii) State three reasons why it is necessary to conduct a reconnaissance of the area of study. (3 mks)