

FORM FOUR CLUSTER KCSE MODEL 7

GEOGRAPHY PAPER 1 ANSWERS

SECTION A (25 Marks)

1. a) (i) The earth
□ and the venus □ (2 mks)
(ii) Saturn has a ring around it (1mk)
b) (i) -Centrifugal force
□ -Coriolis force
□ -Gravitational force □ (1x3=3 mks)
(ii) Equinox is a period of the year when all parts of the earth have equal length of night and day (1mk)
2. (i) Katabatic wind
(ii) Katabatic wind-During the night, the air on hilltops and mountain slopes is cooled faster than the air in the valley bottom.
□ The air becomes dense. The pressure becomes higher while the air in the valley
□ bottom is warmer with lower pressure. The cold dense air on the upper slopes flows down hill as Katabatic wind
3. a) (i) Isotherm all layer is a layer in the atmosphere where temperature remains constant regardless of change in height (1mk)
(ii) Main layers of the atmosphere
□ Troposphere
□ Stratosphere
□ Mesosphere
□ Thermosphere (1x4=4 mks)
b) The ozone layer is important because it absorbs the dangerous ultra-violet radiation and so protects life on earth (1mk)
4. a) The plate tectonics theory-states that the earth's lithosphere (crust) is made of semi-rigid blocks called tectonic plates which are in constant motion in relation to each other (1mk) b)
□ They are regions of instability
□ They are characterized by earthquakes
□ They experience frequent volcanic activity
5. a) □ Ria coasts
□ Fjord (fiord) coasts
□ Longitudinal coasts (1x2=2 mks)
b) Polyps grow in warm water They grow in shallow water
They are favoured by clear water
Polyps grow well in salty water (1x3=3 mks)