

Form 4 Holiday Assignment

1. a Distinguish between vulcanicity And volcanicity
2mks
- (b) Give three Characteristics of Intrusive volcanic features 3mks
2. (i) Describe how Mount Kenya was formed (6mks)
- (ii) Explain four ways in which Mt Kenya has influenced the drainage of the area 8mks
3. (d) Suppose students from your school are to
2. (i) Carry out a field study of the soils found in the Nyika plateau.
(1) State three methods they are likely to use to collect data (3mks)
- (ii) The students carried desert soils for further analysis. State three characteristics of desert soils that they are likely to study (3mks)
2. (i) Distinguish between river discharge and river regime (2mks)
- (ii) Describe how a river erodes through the following processes (3mks)
- Abrasion
 - Solution
- (b) Describe how the following features are formed

(i) Gorge, when a waterfall retreat (4mks)

(ii) River braids (4mks)

c State Four Characteristics of a river in the Old stage (4mks)

d Explain three significance of a river to human activities (6mks)

3(a) State three reasons why wind is a major agent of land sculpture in the desert (3mks)

(b) Explain three ways through which the wind carries out erosion in the desert

- Abrasion 3mks
- Deflation 3mks
- Attrition 3mks

c Describe how a deflation hollow is formed (5mks)

(e) Explain four negative effects of deserts to human activities (8mks)

4(a)(i) What is Mining (2mks)

(ii) Give three formations in which Mineral ores occur (3mks)

(b) Explain how the following factor influence

(i) Size of Mineral deposit (2mks)

(iii) level of Technology 4 marks

c Describe the dredging mining method (4 marks)

d(i) State three uses of Soda Ash 3 marks

(ii) Describe how diamond is processed in South Africa. 8 marks

(e) Explain Four ways in which Gold mining has contributed to the economy of South Africa 8 marks

5(a) Identify three types of Earthquake waves 3 marks

b(i) Describe two ways in which the strength of an Earthquake is measured (4 marks)

(ii) State Three human Causes of Earthquakes (3 marks)

c Explain four effects of earthquakes on physical environment (8 marks)

(d) Students from Kagame High School Carried out a field study of an area affected by Earthquake

(i) Identify three effects they noticed on human environment (3 marks)

(ii) What are the advantages of collecting information in the area using photographs 3 marks

(iii) Give two problems they are likely to experience