

THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATIONS AND LOCAL GOVERNMENT
ADVANCED CERTIFICATE OF SECONDARY EDUCATION

GEOGRAPHY PAPER 1
STUDENT'S HOME PACKAGE

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GEOGRAPHY PAPER 1: PHYSICAL GEOGRAPHY

POSITION, BEHAVIOUR AND STRUCTURE OF THE EARTH

1. With the aid of diagrams, describe the structure of the Earth.
2. Elaborate the composition of atmosphere and its functions to the universe.
3. Examine the structure of atmosphere and its importance to the human life.
4. With the aid of diagrams, prove that the Earth is oblate spherical in shape.
5. Explain the factors for the *oblateness* of the Earth.
6. By using diagrams prove that the Earth is not flat but spherical.
7. Describe the internal structure of the Earth.
8. Examine four (4) layers of the atmosphere and in each, give three (3) characteristics.

DYNAMIC EARTH AND ITS CONSEQUENCES

9. Elaborate the five (5) evidences and five (5) importance of isostasy theory.
10. Using diagrams, describe the effects of isostatic readjustment on the Earth's surface.
11. To what extent isostasy theory applicable in explaining the present-day landforms.
12. By using diagrams show the validity of the continental drift theory.
13. Describe the applicability of the continental drift theory.
14. "The continental drift is irrelevant to the African continent". Discuss this statement by giving six (6) points
15. Compare and contrast the theory of continental drift and plate tectonic theory.
16. "Plate tectonic theory is a new version to the continental drift theory". Discuss this contention.
17. Show the applicability of plate tectonic theory.
18. Elaborate the mechanisms and causes of the plate tectonic movement to the lithosphere.
19. With the aid of diagrams, describe the features formed on the plate margins.

MATERIALS OF THE EARTH

20. Discuss the values of the rocks to human kind.
21. By using vivid examples, classify rocks according to the mode of formation.
22. With the aid of diagrams, describe the rock cycle.
23. Describe six (6) factors that determine the resistance of rocks to denudation.
24. Classify igneous rocks according to the place of occurrence and the chemical composition.
25. Describe four (4) importance and four (4) shortcomings of the geological timescale.
26. With concrete examples classify sedimentary rocks.

27. Identify and explain various methods used to determine the ages of rocks.

GEOMORPHOLOGY

28. Identify and explain the causes of Earthquakes and its effects on the Earth.

29. (a) Write short notes on the following

(i) Seismograph

(ii) Richter scale

(iii) Mercalli scale

(iv) Seismic waves

(v) Earthquake intensity and magnitude

(b) Show the differences between the following

(i) Magma and lava

(ii) Vulcanism and volcanicity

31. Identify and explain internal features formed due to vulcanism.

32. Show the significance of external volcanic features to human kind.

33. Describe the nature, spatial distribution and significances of Fold Mountains.

34. Describe volcanoes according to the mode of formation.

35. (a) Show the World distribution of Earthquakes.

(b) Describe the precautions to avoid damages from Earthquakes.

36. "Mountains are never the same all the time; they keep on changing in shape".
Substantiate this statement.

DENUDEATION AND DEPOSITION

37. Identify and explain major types of weathering

38. "Weathering is a result of an interplay of different chemical and physical processes". Discuss this statement by giving six (6) points.

39. Account for the factors that determine the rate of weathering process.

40. Account for the conditions that determine the nature and speed of mass wasting.

41. Give account on the roles of water in weathering process.

42. With the aid of diagrams, describe the types of mass wasting.

43. Compare and contrast chemical weathering and physical weathering.

44. Describe the features formed due to the erosion by surface run-off.

45. With the aid of diagrams describe the necessary conditions for the formation of gorges.

46. Describe seven (7) necessary conditions for the formation of a water falls.

47. By using diagrams describe the stages in the river profile development and the features formed in each stage.

48. (a) What are the necessary conditions for the formation of a delta?

(b) Describe the stages in the development of a delta.

49. (a) What is delta?

- (b) Describe the types of delta using clear diagrams.
50. Describe the types and causes of river rejuvenation.
51. Give an account of the features formed due to the river rejuvenation.
52. (a) What is river piracy?
(b) Describe four (4) necessary conditions necessary for the occurrence of river piracy.
(c) By using diagrams, show the resultant features formed due to the river piracy.
53. (a) What is Karst scenery?
(b) Elaborate six (6) surface features in the Karst regions.
54. (a) Show five (5) sub-terranean features formed in the Karst regions
(b) Explain clearly four (4) values of Karst regions features to human kind.
55. By diagrams describe the seven (7) features formed due to the fluvial erosion in deserts.
56. Discuss the combined effects of fluvial erosion and deposition in deserts.
57. Describe the features formed due to the water action in deserts.
58. Describe seven (7) wind erosional features in deserts areas.
59. Describe six (6) features formed due to the fluvial erosion.
60. Identify and explain the features formed due to the wind deposition in deserts.
61. Describe seven (7) features formed due to the wind action in deserts.
62. To what extent are the water and wind depositional features important to human beings in desert areas?
63. (a) What is moraine?
(b) By using diagrams, describe the types of glacial moraines.
64. "The occurrence of the glaciers in the World has been attributed by the climatic changes associated with the general cooling of the atmosphere". Substantiate this contention by using vivid examples in six (6) points.
65. Describe the features formed by the glacial erosion.
66. Elaborate the glacial depositional features and their importance to human being.
67. **Explain the four (4) factors for the occurrence of earth quakes and give its four (4) effects.**
68. Examine the six (6) consequences brought by the depletion of Ozone layer in the atmosphere.