FORM 4 TERM 3 APRIL 2022 GEOGRAPHY PAPER 1

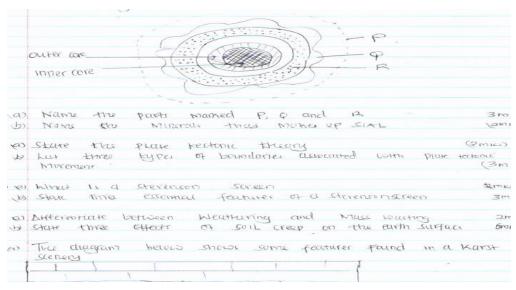
INSTRUSTIONS TO CANDIDATE

- (a) This paper has two sections A and B.
- (b) Answer all the questions in section A.
- (c) Answer questions 6 and any other from section B.
- (d) Answer must be written in the answer booklet provided.
- (e) This paper consists of 4 printed pages.
- (f) Candidates must check the question paper to certain that all pages are printed as indicated and no questions are missing

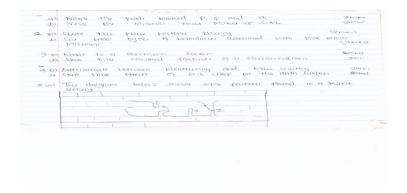
SECTION A

ANSWER ALL THE QUESTIONS IN THIS SECTION

1. The diagram below the structure of the earth.



- (a) Name the parts marked P, Q and R. (3mks)
- (b) Name the minerals that make up SIAL (2mks)
- 2. (a) State the plate tectonic theory (2mks)
- (b)List THREE types of boundaries associated with plate tectonic movement. (3mks)
- 3(a) what is a Stevenson screen (2mks)
- (b) State THREE essential features of a Stevenson screen (3mks)
- 4(a) Differentiate between weathering and mass wasting (2mks)
- (b)State THREE effects of soil creep on the earth surface (3mks)
- 5(a) The diagram below shows some features found in Karst Scenery.



- (a)Name the features marked X, Y and Z (3mks)
- (b) State TWO ways in which lakes influence the natural environment (2mks)

SECTION B

ANSWER QUESTION 6 AND ANY OTHER TWO QUESTIONS FROM THIS SECTION

- 6. Study the map of MIGWANI (1:50,000) sheet 151/1 provided and answer the following questions
- (a (i) Give the latitudinal extent of the area covered by the map (2mks)
- (ii) What is the magnetic variation of the map (1mk?)
- (iii)Convert the ratio scale of the map into statements scale (2mks)
- (b)Citing evidence from the map give THREE economic activities carried out in the area covered by the map. (6mks)
- (c) Explain how relief has influenced the distribution of settlement in the area covered by the map (4mks)
- (d) (I)Using a vertical scale of 1cm to represent 100metres, draw a cross-section along the line marked J-K (4mks)
- (iii)On it mark and label the following
 - -Footpath (1mk)
 - -Road (1mk)
 - Water pipeline (1mk)
 - -steep slope (1mk)
- (Iv)Calculate the vertical exaggeration of the cross-section (2mks)
- 7(a) (i) what is a river divide (1mk)
- (ii)Describe THREE ways by which a river transport its load (6mks)
- (b) Describe the characteristics of a river on its old stage (7mks)
- (c) Describe each of the following drainage system and patterns
- (i) Superimposed drainage system (3mks)
- (ii)Centripetal drainage pattern (2mks)
- (d) You have planned to carry out a field study of a river in its youthful stage.
- (i)State TWO ways in which you would prepare for the study (2mks)
- (ii)Name TWO features you are likely to study (2mks)

- (iii)List TWO problems you are likely to experience during the study (2mks)
- 8(a) List FOUR processes through which coasts are eroded (4mks)
- (b)Using well-labeled diagram, explain how each of the following features is formed
- (i)A spit (4mks)
- (Ii)A blow hole (2mks)
- (iii)A toll (5mks)
- (c) Some students carried out a field study on the coastal features found along the coast.
- (i)List THREE features formed as a result of coastal emergence that they are likely to have studied (3mks)
- (ii)State THREE methods that student may have used to record their data (3mks)
- (iii)Describe TWO ways in which features resulting from coastal emergence are of significance to Kenya (2mks)
- 9(a) (i)Distinguish between Orogenic And Epeirogenic earth movement(2mks)
- (ii)Describe how convectional currents cause earth movements (5mks)
- (b)Explain THREE factors that determine the type of features resulting from earth movements (6mks)
- (c) Describe the types of boundaries created as a result of earth movement (6mks)
- (d)A form two class conducted a field study in an area that had undergone earth movement
- (i) Give TWO examples of transform faults they would have observed (2mks)
- (Ii)Name TWO oceanic plate they would have observed (2mks)
- (Iii) Give the main reason why the interview method was not the appropriate method collecting the data (2mks)
- 10 (a)(i)Apart from fold mountains name THREE other features resulting from folding (3mks)
- (ii)Identify FOUR examples of Fold Mountains outside Africa (4mks)
- (b) Explain TWO major factors that influence folding (4mks)
- (c) Describe the formation of Fold Mountains using the contraction theory (6mks)
- (d)Explain the effects of folding on the following

Agriculture(2mks)

tourism (2mks)

mining (2mks Transport (2mks)