

SC2043
WASSCE 2022
GEOGRAPHY 3
Practical & Physical
Geography
1 hour 50 minutes

3

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL

West African Senior School Certificate Examination
for School Candidates

SC 2022

GEOGRAPHY 3

1 hour 50 minutes

Do not open this booklet until you are told to do so. While you are waiting, write your name and index number in the spaces provided at the top right-hand corner of this booklet and thereafter, read the following instructions carefully.

Answer question 1 and any three others. Question 1 carries 25 marks while others carry 15 marks each.

ELEMENTS OF PRACTICAL AND PHYSICAL GEOGRAPHY

Answer question 1 and any three others.

Question 1 carries 25 marks while other questions carry 15 marks each.

You are advised to spend not more than 35 minutes on Question 1.

1. Study the map extract provided on a scale of 1 : 50,000 and answer the questions that follow. (Attach the topographical map extract to your answer booklet)
- (a) On the topographical map extract provided, **mark** and **name** the following features using the letters in the bracket:
- (i) Area liable to flooding (**LF**); [2 marks]
 - (ii) Steep slope (**SS**); [2 marks]
 - (iii) Spur (**SP**); [2 marks]
 - (iv) Lowland (**LL**); [2 marks]
 - (v) Isolated hill (**IH**). [2 marks]
- (b) On the graph paper provided in the answer booklet, draw an annotated cross profile along the line **A** to **B** using a vertical scale of 1 cm to represent 50 feet. [9 marks]
- (c) Describe **three** ways in which the relief has influenced transportation network in the mapped area. [6 marks]
2. The Table N below shows the production of crude oil in country **Z** from the years 2016 to 2019. Study and use the data in table N to answer the questions that follow.

Table N

Year	Production of crude oil in ('000 barrels)
2016	167
2017	181
2018	211
2019	250

- (a) Using a radius scale of 1 cm to represent 6 units, draw proportional circles to represent the production of crude oil in country **Z** from the years 2016 to 2019. [13 marks]
[Use the square root method]
- (b) State **two** advantages of proportional circles. [2 marks]
3. (a) What is *river capture*? [2 marks]
- (b) With the aid of an annotated diagram, describe the mode of formation of an ox-bow lake. [7 marks]
- (c) Highlight **three** benefits derived from river capture. [6 marks]

4. (a) With the aid of a diagram, describe the mode of formation of a limestone cavern. [9 marks]
- (b) Outline **three** benefits derived from the limestone region. [6 marks]
5. (a) Outline **two** ways by which vegetation adapts to climate in the Tundra region. [4 marks]
- (b) With the aid of a diagram, describe the characteristics and mode of formation of convectional rainfall. [11 marks]
6. (a) State:
(i) **four** conditions which influence river deposition; [4 marks]
(ii) **five** characteristics of a zeugen. [5 marks]
- (b) Describe the mode of formation of a bird's foot delta. [6 marks]
7. (a) List **three** layers of the inner structure of the earth. [3 marks]
- (b) State **four** characteristics of the hydrosphere. [4 marks]
- (c) Highlight **four** benefits of the hydrosphere to man. [8 marks]
8. (a) Define *vegetation resources*. [3 marks]
- (b) Identify **four** benefits of vegetation resources. [8 marks]
- (c) Outline **two** problems resulting from the over-exploitation of the vegetation resources. [4 marks]

END OF PAPER