

PC2043
WASSCE 2018
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 Private Candidates

PC 2018

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 use it to answer the questions that follow.
- (a) In your answer booklet, draw an outline of the mapped area to a scale of 1: 150,000. [4 marks]
On your new outline, insert and name:
(i) River Toza; [2 marks]
(ii) Length of the minor road; [2 marks]
(iii) KARLAHI settlement. [2 marks]
- (b) Calculate the length of the minor road from Marabu to KARLAHI. [5 marks]
- (c) Using evidence from the map, explain three functions of KARLAHI settlement. [6 marks]
- (d) Suggest four possible reasons for the absence of roads in the North western part of the map. [4 marks]
2. The table X shows the value of fish exported (in metric tonnes) from country Q between the years 2005 and 2007. Use the table to answer the questions that follow.

Table X

FISH TYPE	YEAR 2005	YEAR 2006	YEAR 2007	TOTAL
Herring	100	100	150	350
Bonga	30	70	150	250
Snapper	70	140	100	310

- (a) Represent the data in Table X on a compound bar graph, using the years of export as the base of the graph (x-axis) and a scale of 2 cm to 50 metric tonnes on the vertical axis (y-axis). [12 marks]
- (b) State one advantage of compound bar graphs. [2 marks]
- (c) Name one other method that can be used to illustrate the data. [1 mark]

3. (a) (i) List **three** major groups of Koppen's climates. [3 marks]
(ii) State **two** basis of Koppen's classification method. [2 marks]
- (b) Name **two** types of Koppen's **first** group of climates. [2 marks]
- (c) Outline **two** unique features **each** of the climates named in (b). [8 marks]
4. (a) Define a *plateau*. [3 marks]
- (b) Describe the mode of formation of tectonic plateau. [6 marks]
- (c) Outline **three** ways in which plateaux are beneficial to man. [6 marks]
5. (a) With the aid of suitable diagrams, describe the following proofs supporting the spherical shape of the earth:
(i) Circumnavigation; [3 marks]
(ii) Bedford level experiment; [3 marks]
(iii) Ship's visibility. [3 marks]
- (b) Highlight **three** differences between *equinoxes* and *solstices*. [6 marks]
6. (a) Define *precipitation*. [3 marks]
- (b) With the aid of a diagram, describe the mode of formation of convectional rainfall. [8 marks]
- (c) Explain **two** effects of temperature on winds. [4 marks]
7. (a) State **five** benefits of minerals as environmental resources. [5 marks]
- (b) Highlight **five** major problems resulting from the exploitation of mineral resources. [10 marks]
8. With the aid of diagrams, describe **two** ways in which *springs* can be formed. [15 marks]

END OF PAPER