

PC2043  
WASSCE 2016  
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 2016

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.

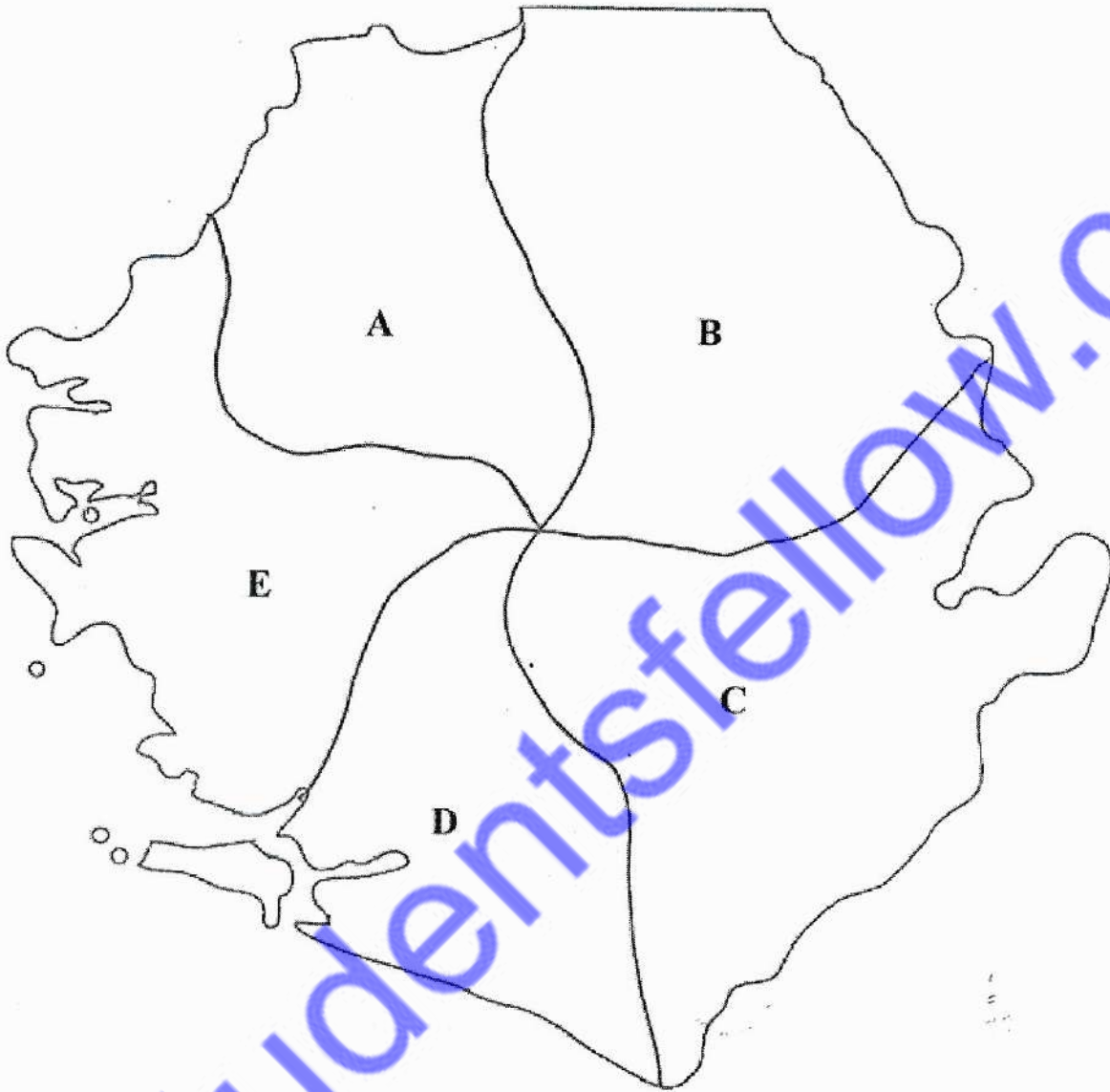
1. Study the map extract provided on a scale of 1:50,000 and use it to answer the questions that follow.
- (a) Calculate the distance by road from **Okpokhumi** to the road junction at **SABONGIDDA**. [5 marks]
  - (b) What is the bearing of **Lawyer's Camp** from **Okebe**? [2 marks]
  - (c) With evidences from the map, state **four** possible occupations of the inhabitants of the mapped area. [8 marks]
  - (d) Describe the relief of the mapped area. [10 marks]
2. Use the table and the map to answer questions 2(a) and 2(b).

Population distribution by districts of country **Z** in the year 2015.

DISTRICTS	POPULATION
A	320,000
B	240,000
C	480,000
D	80,000
E	160,000

- (a) Using the map on page 3 and a scale of **one dot** to represent 40,000 persons, produce a dot map for country **Z**. [11 marks]  
(Detach the map and attach it to your answer booklet)
  - (b) Highlight any **two** advantages of dot maps. [4 marks]
3. (a) Define *temperature*. [2 marks]
- (b) Explain why there is decrease in temperature with ascent. [8 marks]
- (c) If town **A** at sea level has a temperature of 50° C, what will be the temperature of town **B** at a height of 4,000 metres above sea level? [5 marks]

POPULATION OF COUNTRY Z DISTRICTS IN THE YEAR 2015



4. (a) Define *weathering*. [2 marks]
- (b) List **three** processes of chemical weathering. [3 marks]
- (c) Describe the processes of *frost action* and *exfoliation* in mechanical weathering. [10 marks]
5. (a) List **three** land forms that can be found in the upper course of a river valley. [3 marks]
- (b) With the aid of diagrams, describe the characteristics and mode of formation of an ox-bow lake. [12 marks]
6. (a) Explain the following processes of erosion:  
(i) abrasion; [3 marks]  
(ii) attrition; [3 marks]  
(ii) deflation. [3 marks]
- (b) With the aid of a diagram describe the features of a *barchan*. [6 marks]
7. (a) List **three** examples of natural hazards. [3marks]
- (b) Highlight **three** effects of air pollution on man. [6 marks]
- (c) In what **three** ways can air pollution be controlled? [6 marks]
8. (a) With the aid of diagrams describe the formation of:  
(i) Convectonal rain fall; [6 marks]  
(ii) Orographic rainfall. [6 marks]
- (b) List **three** benefits of clouds. [3marks]

**END OF ESSAY PAPER**