

ESSAY

1 hour 50 minutes

[70 marks]

ELEMENTS OF PRACTICAL AND PHYSICAL GEOGRAPHY

Answer question 1 and any other **three** questions.

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 (compulsory question).

Study carefully the map extract provided on a scale of 1: 100,000 and use it to answer the following questions:

1. (a) Reduce the outline of the box ABCD to half its size and write the news scale. (4 marks)
- (b) On the new outline; insert and name the following:
 - (i) the secondary road from X to Y (2 marks)
 - (ii) River Watari (2 marks)
- (c) Calculate the actual length of the River Watari (3 marks)
- (d) State
 - (i) TWO transport modes in the mapped area (2 marks)
 - (ii) TWO human features in the mapped area (2 marks)
 - (iii) TWO primary industries workers in the mapped area (2 marks)
 - (iv) TWO tertiary industries workers in the mapped area (2 marks)
 - (v) ONE important settlement in the mapped area (1 mark)
2. (a) With the aid of a well-labelled diagram, describe a typical soil profile (4 marks)
- (b) Give two examples each of sedimentary and metamorphic rocks (4 marks)
- (c) Name two landforms produced by faulting (2 marks)
- (d) Name TWO environmental resources and describe two uses each (5 marks)
3. (a) Highlight any THREE factors that limit the exploitation of minerals in Nigeria (6 marks)
- (b) Explain the terms:
 - (i) vulcanicity
 - (ii) earthquake (3 marks)
- (c) Describe THREE characteristics of the equatorial climate. (6 marks)

4. (a) What two measures can be taken to control flooding? (4 marks)
- (b) Identify any three contributions of rivers to the development of Nigeria. (6 marks)
- (c) Draw a well-labelled diagram to show the internal structure of the earth (5 marks)

5. (a) Write explanatory notes on the formation of any two of the following:

(i) Waterfalls

(ii) Deltas

(iii) Inselbergs (6 marks)

(b) Describe two types of mass wasting (4 marks)

(c) List THREE processes of coastal wave erosion and explain any two. (5 marks)