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Geology 2
0755

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

JUNE 2019

ADVANCED LEVEL

Subject Title	Geology
Paper No./Title	Paper 2
Subject Code No	0755

THREE HOURS

Answer FOUR questions
ALL QUESTIONS CARRY EQUAL MARKS.

You are reminded of the value of clear sketches, even when not specifically demanded by the wording of the question, and of the necessary for good English and orderly presentation in your answers.

Turn Over

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1. (a) Discuss the changes that would occur in sediments during transportation by a stream from the source to its basin of deposition. (9 marks)

- (a) (i) Define the term isostasy (3 marks)
 (ii) Discuss the mechanisms involved in isostatic readjustment. (5 marks)

(c) Write short notes on the following:

- (i) Meteorites; (4 marks)
 (ii) Terrestrial planets (4 marks)

(Total = 25 marks)

2. (a) Show how the shell forms of the following bivalves may indicate their mode of life: Venus; Pecten; Ostrea and Mytilus (12 marks)

(b) What do you understand by radiometric dating? (5 marks)

(c) Distinguish between the following pairs of rocks:

- (i) Conglomerates and breccias (4 marks)
 (ii) Greywackes and siliceous sandstones (4 marks)

(Total = 25 marks)

3. (a) Outline the genetic classification of folds. (10 marks)

(b) (i) Define the term "Subduction zone". (3 marks)

- (ii) Sketch a section of two adjacent plate margins to illustrate a subduction zone and label four important geological features you would expect to find in this area (12 marks)

(Total = 25 marks)

4. (a) Describe four structures that occur in basaltic lava flows. (8 marks)

(b) Shows how rocks formed by the different types of metamorphism can be recognized using:

- (i) Textures; (4 marks)
 (ii) Structures; (4 marks)
 (iii) Minerals (4 marks)

(c) Name and locate five mineral deposits found in Cameroon. (5 marks)

(Total = 25 marks)

5. (a) Differentiate between the following pairs:

- (i) Crystal edge and solid angle; (4 marks)
 (ii) Crystal form and crystal habit; (4 marks)
 (iii) Crystal face and crystal zone. (12 marks)

(Total = 25 marks)

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6. (a) Define the term Pollution (5 marks)
- (b) Discuss five ways in which the ground water in Douala can be polluted (10 marks)
- (c) Differentiate between the following:
- (i) Ordinary well and artesian well; (3 marks)
- (ii) Connate water and juvenile water (2 marks)
- (d) State the important of underground water (5 marks)
- (Total = 25 marks)
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