**GEOGRAPHY**

**PAPER**

**July/August 2016**

**2 hours**

**PATHWAY EVALUATION EXAMINATIONS – 2016**

**FORM 1**

GEOGRAPHY

**Paper**

**2 hours**

**Instructions to Student**

1. *This paper contains three questions.*
2. *Answer* ***all*** *the questions in this question paper.*
3. ***This paper consists of 5 printed pages.***
4. ***Student should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing***.

**For Examiner’s Use Only**

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| --- | --- | --- |
| **Question**  | **Maximum Score** | **Student’s Score** |
| **1** | **13** |  |
| **2** | **30** |  |
| **3** | **22** |  |
| **Total**  | **65** |  |

1. (a) Identify two divisions of the environment. (2 marks)

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 (b) Give two examples of each of the above. (2 marks)

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(c) Identify the branch of geography that deals with: (5 marks)

1. study of the origin, structure and composition of the earth.

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1. the study of internal and external land forming processes and landforms.

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1. the study of climate and weather

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1. the study of soils

**………………………………………………………………………………………………………**

1. the study of soils, vegetation and animals.

**………………………………………………………………………………………………………**

(d) Explain the relationship between Geography and: (4 marks)

(i) Mathematics

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 (ii) Agriculture

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2. (a) (i)Explain supernova theory about the origin of solar system. (3 marks)

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(ii) State two weaknesses of the theory in 2(a) above. (2 marks)

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(b) Give three characteristics of the Sun. (3 marks)

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(c) What is an eclipse? (1 mark)

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(d) Explain **two** types of lunar eclipse. (4 marks)

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 (e) Why is the shape of the earth is called geoid? (2 marks)

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 (f) Point out the proofs that show that the earth is spherical. (3 marks)

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 (g) State two effects of rotation of the Earth. (2 marks)

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(h) The time at GWM is 12 noon what is the local time at Kuresoi 40◦E? (3 marks)

(i)What is the longitude of place x whose local time is 8 am when local time at GWM is noon? (2 marks)

 (j) Identify the **two** dates referred to as equinoxes. Why this name? (3 marks)

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(k) State the significance of atmosphere. (3 marks)

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3. (a) What is weather? (1 mark)

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(b) Make a list of elements of weather. (3 marks)

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(c) Enumerate factors that you would consider when sitting a weather station. (3 marks)

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 (d) Carefully observe the picture below and then answer questions that follow.



1. Identify the instrument. (1 mark)

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1. Name at least **three** instruments found in it. (3 marks)

**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

1. State **three q**ualifications of the structure above that makes it suitable for its work. (3 marks)

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 (e) Briefly explain how wind vane works. (4 marks)

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 (f) State three factors that hinder weather forecasting. (3 marks)

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