

REPUBLIC OF RWANDA

SOUTHERN PROVINCE

MUHANGA DISTRICT

.....th/ JAN / 2026

GEOGRAPHY AND ENVIRONMENT END OF TERM II EXAM/100 MARKS

STUDENT NAMES

SECTION A: INSTRUCTIONS: Attempt ALL Questions.

1. i) Who is regarded as the "Father of Geography"? **(1marks)**

- A. Aristotle
- B. Eratosthenes
- C. Ptolemy
- D. Galileo

ii) What type of rock is formed from the cooling and solidification of magma?

(1marks)

- A. Sedimentary rock
- B. Metamorphic rock
- C. Igneous rock
- D. Fossil rock

iii) What is the name of a person who draws and produces maps? **(1marks)**

- A) Cartographer
- B) Geologist
- C) Meteorologist
- D) Astronomer

iv) What is the purpose of the key (legend) on a map? **(1marks)**

- A) To show the title of the map
- B) To display the symbols and their meanings
- C) To indicate the cardinal directions
- D) To provide a description of the map's history

2. i) The galaxy in which our earth belongs is called: **(1marks)**

- A) Andromeda galaxy
- B) Black eye galaxy
- C) Milky way galaxy
- D) Yellow galaxy

ii) It is the only star that gives out its own light. **(1marks)**

-) Sun
-) Cluster
- C)Moon
- D) Jupiter

iii) It is the only planet that supports life:

(1marks)

- A) Mercury
B) Earth
iv) The natural satellite of the earth is: **(1marks)**
- C) Venus
D) Mars

- A) Moon
B) Stars
C) Sun
D) Galaxy

3.) What type of rock is most likely to contain fossils? **(1marks)**

- A) Igneous
B) Metamorphic
C) Sedimentary
D) Volcanic

4.i) Which of the following is **NOT** a source of geographical information?
(1marks)

- A. Internet
B. Museums
C. Mathematics
D. Atlases

ii) One of the following is **NOT** a method of indicating relief features on a map.
(1marks)

- A. Relief
B. Contours
C. Trigonometric stations
D. Spot heights

5. Fill the following sentences with the following words to make them meaningful.
(4marks)

Equinox, Longitude, Solstice, Latitude.

- a) _____ is the distance of a point away from the equator expressed in degrees.
b) Equal lengths of day and night are known as _____
c) _____ is the angular distance east or west of the prime meridian.
d) Unequal lengths of day and night are known as _____

6. Choose and circle the correct answer.

i) What are the inner planets of the solar system? **(1marks)**

- A. Jupiter, Saturn, Uranus and Neptune
 B. Jupiter, Mercury, Earth and Neptune
 C. Mercury, Venus, Earth, Mars
 D. All answers are correct.

ii) Which planet that supports life? (1 mark)

- A. Earth
 B. Mercury
 C. Mars
 D. All answers are correct.

iii) The following are the phases of moon *except*: (1 mark)

- A. Full moon
 B. Last quarter Moon
 C. New moon
 D. Day moon

7.i) The process of soil horizon development is mostly related to the: (1 marks)

- A) Soil structure
 B) Soil profile
 C) Soil texture
 D) Soil catena

ii) What is a soil catena? (1 marks)

- A) The relationship between different soil types along a slope
 B) A horizontal layer of soil
 C) The process of soil erosion
 D) The collection of organic material in soil

8. Choose and circle the correct answer.

i) Which of the following is **NOT an effect of the Earth's rotation? (1 marks)**

- A) Day and night
 B) Seasons
 C) Time difference
 D) Deflection of wind and ocean currents

ii) Among the following, what causes days and nights? (1 mark)

- A. Revolution
 B. Tides
 C. Rotation
 D. A and C are correct answers.

9. Choose and circle the correct answer.

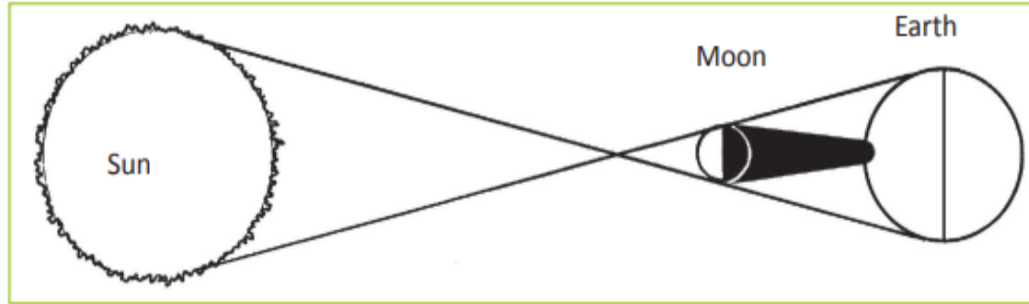
i) The path followed by planets around the sun is called: (1 mark)

- A) Axis
 B) Orbit
 C) Longitude
 D) Latitude

ii) Among the following options, choose *any 3* evidence to show that the shape of the earth is spherical and not flat are: (3 marks)

- A. Aerial photographs
 B. Four seasons
 C. Universe
 D. Circumnavigation of the earth
 E. Sunrise and sunset

iii) Which type of eclipse is shown by the diagram below: (1 mark)



10. Complete the following table with the correct element of the earth: **(2marks)**

Biosphere, Lithosphere, Atmosphere, Hydrosphere

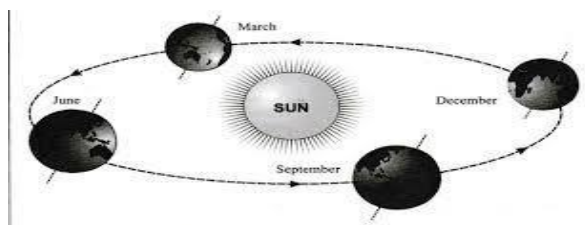
DESCRIPTION	ELEMENT OF THE EARTH
a) This is the part composed of all the water on the earth surface.
b) is the part that is composed of gases that surround the earth.
c) This is the part of the earth where life exists. It includes all living things.
d) This is the solid outer part of the earth.

11. Answer the following statements by **TRUE** or **FALSE** **(5marks)**

- a) The earth revolves around the moon. _____
- b) The earth rotates in an Anticlockwise direction from West to East _____
- c) The moon is a natural satellite of the earth _____
- d) Pluto is no longer a planet because it is too small.

- e) Rotation of the earth takes 365 days _____

12. Study the diagram below and answer the questions that follow.



- i) Which movement of the earth is represented by the diagram? **(1mark)**

ii) Give **Two** effects of the movement represented by the diagram. **(2Marks)**

13. Identify any 2 components of the universe? **(2marks)**

14.a) Calculate the time of Kinshasa located at **45°W** when the time at Greenwich meridian is **10:00a.m.** **(2marks)**

b) What is the longitude of **CITY Y** whose local time is **9:00a.m.**, when the local time at Greenwich median is noon. **(12:00pm).** **(2marks)**

15. Which of the following is **NOT** a source of geographical information? **(1marks)**

- A. Internet
B. Museums
C. Mathematics
D. Atlases

16. Analyze the following statements using **TRUE** and **FALSE.** **(5marks)**

- A. An atlas index is a detailed alphabetical listing of names, places and topics _____
B. The shape of the earth is flat. _____
C. The earth rotates in an Anticlockwise direction from West to East _____
D. The moon is a natural satellite of the earth _____
E. Lunar eclipse occurs when Earth comes between Sun and Moon _____

17. Muhire wants to indicate the height of a specific spot of an area on a map. Which combination comprises methods will he use to represent relief features on a map. **(1marks)**

- A. Colours, Contours, trigonometric stations, spot heights
B. Altitude, relief, contours, colours
C. Colours, Contours, height, Altitude
D. All answers are correct

18. a) What are inner planets of the solar system? **(1marks)**

- A. Jupiter, Saturn, Uranus and Neptune
B. Jupiter, Mercury, Earth and Neptune
C. Mercury, Venus, Earth, Mars
D. All answers are correct.

b) Which planet that supports life? **(1marks)**

- A. Mars
B. Mercury
C. Earth
D. All answers are correct.

c) The following are the phases of moon **except:** **(1marks)**

- A. Full moon
- B. Last quarter Moon
- C. New moon
- D. Day moon

19. Choose and circle the correct answer.

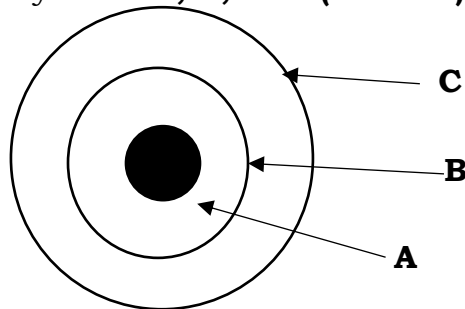
i) Which of the following is **NOT** an effect of the Earth's rotation? (1marks)

- A) Day and night
- B) Seasons
- C) Time difference
- D) Deflection of wind and ocean currents

ii) Among the following, what causes days and nights? (1marks)

- A. Revolution
- B. Tides
- C. Rotation
- D. A and C are correct answers.

20. Study the diagram below showing internal structure of the earth and Name parts marked by letter **A, B, C**. (3marks)



21. Choose and circle the correct answer.

i) What is the core of the Earth mainly composed of? (1marks)

- A) Iron and nickel
- B) Magnesium
- C) Silicon
- D) Hydrogen and helium

22. Which of the following is a key feature of the hydrosphere? (1marks)

- A) Plants and animals
- B) Water in all forms (liquid, gas, and solid)
- C) Soil and rocks
- D) Layers of the atmosphere

23. Match the following discontinuity with the correct location. (3marks)

Discontinuity	Location
1. Mohorovicic discontinuity	A. Separates SIAL and SIMA
2. Gutenberg	B. Separates Crust and Mantle
3. Conrad discontinuity	C. Separates Mantle and Core

24. Choose and circle the correct answer

i) Relief forms are classified into **two** main categories. These are: (1marks)

- a) Continental and marine relief features.

- b) Altitude and contours relief features
- c) Slope and relief features
- d) All answers are correct.

ii) The rise or fall of a relief feature is called: (1marks)

- A. Altitude
- B. Contour
- C. Ridge
- D. Slope

25. Choose and circle the correct answer

i) Contour lines join places with: (1marks)

- A. Equal temperature
- B. Equal rainfall
- C. Equal height/Altitude
- D. Equal soil type

ii) Contours that are close together indicate: (1mark)

- A. Flat terrain
- B. Steep slope
- C. Gentle slope
- D. Plateau

26. Choose and circle the correct answer

i) Which of the following defines altitude? (1marks)

- A) The height above sea level
- B) The measurement of the earth's temperature
- C) The distance below sea level
- D) The amount of rainfall in an area

27. Complete the following table with the relief features in the correct column. (6marks)

Mountains, Continental shelf, Oceanic trench, Hills, Plains, Oceanic Island.

Continental relief features	Marine/Oceanic relief features

**SECTION: ATTEMPT ANY THREE QUESTIONS OF YOUR CHOICE
(30MARKS)**

28. i) Differentiate between Map and Aerial photographs. (4marks)

ii) Explain the use of a map to the map users (6marks)

29. Describe any 3 Importance of studying geography. **(10marks)**

30.i) Describe the components of the external structure of the earth. **(6marks)**

ii) Suggest any 4 uniqueness of planet earth. **(4marks)**

31.i) Explain how the nature of parent rock influence soil formation. **(3marks)**

ii) With the help of diagram explain rock cycle. **(7marks)**

32.a) Using a well-drawn diagram, Differentiate between soil profile and Soil catena. **(6marks)**

b) Describe any 4 ways that explain the importance of soils. **(4marks)**

33. Describe any 5 ways that explain the economic importance of rocks. **(10marks)**