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PART IV: Answer the following questions according to the nature of the question

1. Discuss the geopolitical implications of location of Ethiopia (3 points)
2. Assume country 'X' has a total area of 22,000km² with a boundary length of 600km. Based on the given data, calculate the Boundary Circumference ratio of country 'X' and explain the result (2 points). Hint, the inference is circle.

3. Which of the following is the correct order of the rocks in Ethiopia when arranged from the **youngest** to the **oldest**?

A. Upper sandstone ➲ Hintalo limestone ➲ Adigrat sandstone ➲ Basement rocks ➲ Trappean series ➲ Aden series

B. Aden series ➲ Trappean series ➲Upper sandstone ➲ Hintalo limestone ➲ Adigrat sandstone ➲ Basement rocks

C. Basement rocks ➲ Adigrat sandstone ➲ Hintalo limestone ➲ Upper sandstone ➲ Trappean series ➲ Aden series

D. Aden series ➲ Adigrat sandstone ➲ Upper sandstone ➲ Hintalo limestone ➲ Basement rocks ➲ Trappean series

4. Identify the correct arrangement of western highlands based on geographical coverage in **descending order**.

A. The Shewa Plateau/central highlands ➲ The Tigray Plateau ➲ The Southwestern Highlands ➲ North Central Massifs

B. The Tigray Plateau ➲ The Shewa Plateau/central highlands ➲ North Central Massifs ➲ The Southwestern Highlands

C. North Central Massifs ➲ The Southwestern Highlands ➲ The Tigray Plateau ➲ The Shewa Plateau/central highlands

D. The Southwestern Highlands ➲ The Tigray Plateau ➲ North Central Massifs ➲ Shewa Plateau/central highlands

5. From the following countries, which has relatively an elongated shape?

A. Somalia B. Eritrea C. Ethiopia D. Djibouti

6. Identify the one which is an example of a '**geomorphic process**.

A. Folding B. Weathering C. Volcanicity D. Faulting

7. Which one of the following is the **incorrect** combination?

A. Gold ➲ Metekel area

B. Platinum ➲ Yubdo

C. Potash ➲ Danakil

D. Tantalum ➲ Ambo

8. Of the following, which one is the major geological event of the 'Precambrian era"?

A. Intensive folding and igneous intrusion

B. The formation of the Ethiopian rift valley system

C. The uplifting of the Arabo -Ethiopian landmasses

D. The alternative rising and sinking of the Horn and Ethiopian landmasses

9. Which part of the Ethiopian rift valley system is the largest and widest?

A. The Afar Triangle B. The main rift C. The Chew Bahir rift D. The lakes region

10. The heavy pluvial rains and the disappearance of dinosaurs have happened during ---------- ---------- and ----------periods, respectively.

A. Quaternary, Tertiary

B. Quaternary, Cretaceous

C. Cretaceous, Quaternary

D. Silurian, Devonian

11. All of the following are the characteristics of the Ethiopian highlands **except;**

A. Moderate and high amounts of rainfall

B. Lower mean annual temperature

C. Suitable for mechanized farming

D. Free from tropical diseases

12. Which one of the following part of the western highlands has largest proportion of upper highlands?

A. Southwestern highlands

B. Tigray plateau

C. North Central Massifs

D. Shewa plateau

13. The Southeastern lowlands of Ethiopia are best described with all of the following features **except;**

A. Harsh climatic conditions

B. Extensive arable land

C. Sedentary way of life

D. High potential for petroleum and natural gas

14. Which human-environment interaction entails a human's self-modification capacity in new environments with new challenges?

A. Mitigation B. Adaptation C. Dependency D. Translocation

15. Which one of the following statements is **incorrect** about geological time scale?

A. The name of the Era indicates the kind of life existed in it

B. The geological time divisions vary from each other

C. The division of time units is based on the occurrence of geological events

D. The geological time division has uniform interval

PART I: Write 'True' if the statement is correct and 'False' for the incorrect one (1 pt. each)

1. The central rift is the narrowest and the elevated part of the rift valley system.
2. Denudation and peneplanation are the major geological events of the Mesozoic era.
3. Due to latitudinal extension, Ethiopia experiences tropical climate.
4. Ethiopia has more compact shape than all neighboring countries based on Boundary circumference ratio.
5. The Adigrat sandstone is older and thicker in the North West but younger and thinner in south east.

PART II: Match Items under column 'A' with their corresponding cases under column 'B' (1pt.)

Column A	Column B
1. Mount Bwahit	A. The Shewa Plateau
2. Mount Guraghe	B. The Tigray Plateau
3. Guge Mount	C. The North Central Massifs
4. Mount Tsibet	D. The Southwestern Highland
5. Mount Bada	E. The Arsi-Bale-Sidama Highlands

PART III: Choose the best answer from the given alternatives and write letter of your choice only on space provided on the answer sheet (1 point each)

1. Which one of the following is **incorrect** about the concept of Geography?
   A. It studies both the physical and anthropogenic dimensions
   B. It is holistic and interdisciplinary field of study
   C. Its definition has remained the same spatiotemporally
   D. Naturally, it is dynamic with changes in scope and methods of study
2. Which of the following is **correct** about the Ethiopian topography?
   A. Most of the peripheral parts of Ethiopia are highlands
   B. Most of the central parts of Ethiopia are lowlands
   C. Most of the highest mountains of Ethiopia are situated in the south western physiographic region
   D. Most of the Ethiopian lowlands are situated in the Southeastern physiographic region