

GEOGRAPHY ASSESSMENT FOR GRADE 12th

**DIRECTION: CHOOSE THE BEST ANSWER
FROM THE GIVEN POSSIBLE ALTERNATIVES.**

1. Which branch of geography is mainly concerned with social beliefs and customs?
A. Political geography C. Population geography
B. Cultural geography D. Urban geography
2. Why is the Paleozoic era describing to as the "age of ancient life"?
A. Dominance of mammals C. First appearance of humans
B. Abundance of trilobites and shelled animals
D. Formation of Pangaea
3. What term describes a volcano with steep slopes formed by alternating layers of ash and lava?
A. Shield volcano
B. Cinder cone
C. Strato volcano

D. Caldera

4. Which geological principle states that in undisturbed layers, older rocks lie beneath younger ones?

- A. Original horizontality C. Radioactive decay
- B. Superposition D. Cross-cutting relationship

5. Which major geological process is responsible for the distribution of continents today?

- A. Continental drift
- B. Volcanic activity
- C. Erosion
- D. Solar radiation

6. What theme of geography describes the unique human and physical characteristics of a location?

- A. Movement
- B. Region
- C. Place
- D. Human-Environment Interaction

7. If a rock sample contains only 12.5% of its original Potassium-40 isotope, how many half-lives

have passed since its formation?

A. 1 B. 2 C. 3 D. 4

8. If identical Mesosaurus fossils are discovered in both Brazil and South Africa, what does this evidence suggest about the continents' historical positions?

A. The reptile swam across the Atlantic C.

Volcanic eruptions spread fossils

B. The continents were once joined D. Climate zones shifted over time

9. Why did the scientific community initially reject Alfred Wegener's continental drift theory?

A. Lack of fossil evidence C. Misinterpretation of rock layers

B. No explanation for movement mechanisms D. Overemphasis on oceanic crust

10. How do convection currents within the Earth's mantle contribute to the movement of tectonic

plates across the planet's surface?

A. They cool the mantle C. They circulate heat from radioactive decay

B. They drive magma to the surface D. They

stabilize plate positions

11. What key difference exists between a small-scale map and a large-scale map in terms of area coverage and detail representation?

A. Shows a larger area with less detail C. Uses brighter colors

B. Shows a smaller area with more detail D. Focuses on roads

12. What process is dominant in a river's upper course with a V-shaped valley?

A. Deposition

B. Lateral Erosion

C. Vertical Erosion

D. Transportation

13. Why do subduction zones typically form at locations where tectonic plates converge?

A. Plates are less dense C. Continental crust is thicker

B. Oceanic crust is denser D. Mantle convection reverses

14. To which one of the following geological times do you associate the evolution of modern

man?

A. Tertiary period of Cenozoic era. C. Jurassic period of Mesozoic era.

B. Craterous period of Mesozoic era. D. Quaternary period of Cenozoic era

15. When a river's meander is abandoned due to a shortcut forming during a flood, what type of landform is created as a result?

A. Levee

B. Oxbow lake

C. Delta

D. Floodplain

16. What type of plate boundary is most related with creating new crust?

A. Convergent

B. Divergent

C. Transform

D. Subduction

17. Which one of the following is NOT controls of weather and climate in Ethiopia?

A. Altitude

B. Latitude

C. Mountain Barriers

D. Cloud cover

18. What is the principal criterion utilized in the Köppen classification system to categorize climates labeled as "B" types?

A. Temperature

B. Precipitation

C. Wind patterns

D. Vegetation

19. Why does the leeward side of a mountain range receive significantly little rainfall?

A. Rising warm air condenses C. High-pressure systems dominate

B. Sinking air warms and hinders precipitation D. Coriolis effect deflects winds

20. Which of the following statements is TRUE about the Conference of the Parties (COP) to the UNFCCC?

A. It is an organization advocating for increased greenhouse gas emissions

B. It is a group of climate change skeptics

C. It is the supreme decision-making body

D. It has no influence on international climate agreements

21. If the altitude of the given mountain is 3500 meter above sea level and the temperature at sea

level is 25°C . What will be the expected temperature at the top of the mountain?

A. 22.4°C

B. 100°C

C. 2.60°C

D. 110°C

22. Which statement best explains the difference between climate change adaptation and mitigation strategies?

A. Mitigation strategies seek to reduce climate change.

B. Adaptation strategies increase the adverse effect of climate change.

C. Adaptation strategies focus on reduction of greenhouse gases.

D. Both adaptation and mitigation strategies are causes for climate change.

23. What adaptation strategy involves deliberate policy decisions taken in response to climate change impact?

- A. Anticipatory
- B. Reactive
- C. Planned
- D. Autonomous

24. Why does the interior continents (inland areas) are high temperature extremes than coastal

locations? Due to:

- A. High influence of maritime air. C. Short distance from water bodies.
- B. Low influence of maritime air. D. Higher solar radiation receiving.

25. How does a reverse fault differ from a normal fault?

- A. Hanging wall moves down in reverse faults
- B. Reverse faults are caused by tension
- C. Hanging wall moves up in reverse faults
- D. Normal faults occur in sedimentary rocks

26. Which international agreement successfully addressed ozone layer depletion?

- A. Montreal Protocol C. Paris Agreement
- B. Kyoto Protocol D. Copenhagen Accord

Set by :- *FKIRU ABDETA*

DIRECTION: QUESTIONS 27-30 ARE BASED ON THE CLIMATIC DATA OF A HYPOTHETICAL REGION GIVEN IN THE TABLE BELOW.

Stations	Climate Data	Months											
		J	F	M	A	M	J	J	A	S	O	N	D
I	Temp (°C)	26	26	27	27	27	27	27	27	27	27	26	26
	Rainfall (mm)	228	132	205	242	229	187	175	178	181	256	339	337
II	Temp (°C)	25	27	29	31	33	35	33	31	33	30	28	26
	Rainfall (mm)	7	12	33	42	19	2	29	62	24	15	8	7
III	Temp (°C)	23	23	22	19	15	15	12	11	13	17	19	22
	Rainfall (mm)	21	18	22	64	102	153	134	110	77	49	44	27
IV	Temp (°C)	24	24	26	28	30	33	34	34	32	28	26	24
	Rainfall (mm)	41	39	22	19	23	1	4	15	10	19	21	37

27. Based on the climatic data, what type of natural vegetation is predominant at Station II?
A. Conifers C. Xerophytes
B. Maquis D. Alpine

28. Which station’s climatic data

best represents the winter rainfall region of Ethiopia?

A. Station I C. Station II

B. Station III D. Station IV

29. Which station exhibits the highest annual range of temperature based on the climatic data?

A. Station I

B. Station III

C. Station IV

D. Station II

30. Based on the climatic data, which ecosystem is represented by station I?

A. Grass lands.

B. Deciduous forests.

C. Tropical rainforest .

D. Coniferous forest.

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DIRECTION: QUESTIONS 31-36 ARE BASED ON THE DEMOGRAPHIC DATA OF A HYPOTHETICAL REGION GIVEN IN THE TABLE BELOW. THESE QUESTIONS SHOULD BE DONE ONLY BY NON-BLIND CANDIDATES.

Demographic Variables	Descriptions
Total population	10,000, 000
Total deaths	18000
Young population	1,000,000
Total live births	45000
Death below 1 year	2,000
Old age population	1,000,000
Total land area	500,000 km ²

31. What is age dependency ratio (ADR) of the region?

- A. 10%
- B. 20%
- C. 15%
- D. 25%

32. What is the rate of natural increase (RNI) in the region?

- A. 1.2%
- B. 3.2%
- C. 2.7%
- D. 2.0%

33. What is the Infant mortality rate (IMR) of the region?

- A. 55/1000
- B. 66.4/1000
- C. 44.4/1000
- D. 12/1000

34. What is the crude population density of the region?

- A. 20 persons/km²
- C. 200 persons/km²
- B. 30 persons/km²
- D. 300 persons/km²

35. What is the percentage of economically active population of the region?

- A. 41.64%
- B. 80%
- C. 50%
- D. 65%

36. Assuming a region's population grows at a natural increase rate of 2.7% annually with no net migration, how many years will it take for the population to double?

- A. 70 years
- B. 35 years
- C. 26 years
- D. 46 years

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