

**SECTION A:
PHYSICAL GEOGRAPHY**

1. How **best** can we describe a situation where within the water year, evaporation exceeds precipitation?
 - A Soil moisture surplus
 - B Soil moisture recharge
 - C Soil moisture deficit
 - D Field capacity

2. What is the largest store of fresh water in the land phase of the global hydrological cycle?
 - A Underground water
 - B The polar ice caps and ice sheets
 - C Lakes and rivers
 - D Soil moisture zone

3. After a four month period of dry season from November to February in the Western Highlands, the rains began falling again in March. Precipitation in March however, exceeded the amount of evapotranspiration. Which of the following was the most significant hydrological process occurring in the soil in March?
 - A Overland flow
 - B Soil moisture recharge
 - C Increase in base flow
 - D Buildup of excess of soil moisture

4. One of these is **an exception** to the factors that account for the variation in pressure differences from one region to another. **Isolate the exception.**
 - A Differences in temperature
 - B Differences in barometric force
 - C Differences in humidity
 - D Differences in gravitational force

5. All of the following factors **except one** influence the climate of any given place. Pick out the odd factor.
 - A Latitude
 - B Altitude
 - C Prevailing winds
 - D Longitude

6. The latitudinal zone on the earth's surface which receives the lowest yearly amount of precipitation is
 - A The Mediterranean zone
 - B The sub tropical desert zone
 - C The mid-latitude zone in the continental interiors
 - D The tropical continental zone in the

7. It is an appropriate description of the equatorial or tropical rainforest climate
 - A Hot and dry for a greater part of the year
 - B Warm wet season and cold dry season
 - C Hot and humid for a greater part of the year
 - D Hot and humid throughout the year.

8. The following are all reasons which explain the tendency for large industrial cities to experience higher average temperatures and annual precipitation than rural areas **except one**. Which is the exception?
 - A Atmospheric disturbances such as moving cyclones that bring much rain are less frequent in rural areas
 - B There is greater concentration of condensation nuclei in the atmosphere of cities than in that of rural areas
 - C Cities experience greater turbulence and uplift of moving air than rural settlements
 - D City structures and streets absorb more solar radiation and release it into its atmosphere than rural areas.

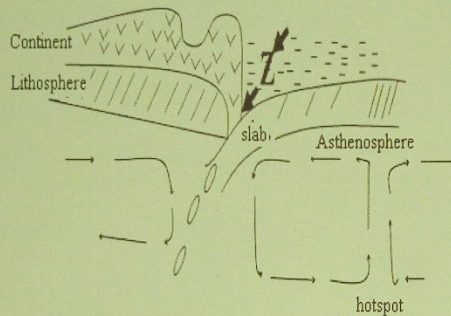
9. Which of the following statements about the formation and movement of tropical cyclones is **NOT** true?
 - A Circling whirling winds around a low pressure centre
 - B Formed over the sea surface when temperatures attain 27°C
 - C Generally westward direction due to the Coriolis force
 - D Increase in intensity as they move further inland becoming more destructive with distance.

10. A steep-sided volcano formed by the Accumulation of solid or pyroclastic materials is referred to as:
 - A Shield volcano
 - B Cumulo dome
 - C Ash and cinder cone
 - D Composite cone

11. From which of the following zones in the earth's interior is the energy for crustal movements derived?
 - A The core
 - B The sial
 - C The mantle
 - D The sima

12. The processes occur both at constructive and destructive margins **except one**. Which is this exception?
- A The building of fold mountains
 - B The fracturing of the crust
 - C The quaking of the crust
 - D The eruption of magma

13. Identify the feature labelled Z on the following diagram.



- A Rift valley
 - B Divergent margin
 - C Convergent margin
 - D Ocean trench
14. All of the following **except one** account for the high intensity of chemical weathering in the humid tropics. Which is the exception?
- A uniformly high temperatures year-round
 - B heavy rainfall throughout the year
 - C luxuriant vegetation which contributes humic acid
 - D The occurrence of the wet and dry seasons.
15. Some 30 years ago, the electricity company planted electricity poles on fairly steep slopes to carry the high tension cables that brought light to the remote mountain village of Baku. At present, the company has observed that the electricity poles are leaning and tilted from the vertical and needed to be straightened. Which of the following mass movement must have affected the poles over time?
- A Rock fall
 - B Talus creep
 - C Landslide
 - D Soil creep

16. Which of the following is **NOT** a structural strategy in coastal zone management?

- A Beach nourishment
 - B building of groynes
 - C Building sea walls
 - D Rock armouring
17. The wearing away of the banks and beds of a river's channel by rock fragments in a stream is referred to as;
- A Abrasion
 - B Hydraulic action
 - C Corrosion
 - D Attrition

18. The manner in which soil particles are naturally aggregated into various shapes or peds refers to which of the following characteristics?

- A Soil crumbs
 - B Soil columns
 - C Soil texture
 - D Soil structure
19. It is a textural class with a smooth but sticky feel that can be rolled into any shape without it disintegrating

- A loam
- B clay
- C silt
- D sand

20. Which of the following soil structures has a high agricultural value?

- A Crumby
- B Prismatic
- C Platy
- D Blocky

21. The classification of soil as mature and immature soils is on the basis of

- A climate
- B organisms
- C relief
- D time

22. The grassland vegetation type now prevalent on the Adamawa plateau can be said to be a plagioclimax. This is because of

- A the soils are lateritic
- B the influence of harmattan winds which dries up the vegetation
- C the high degree of erosion of soils by running water
- D the influence of widespread nomadism

23. The amount of energy that is left in plants after losses through respiration describes
- Primary productivity
 - Gross primary productivity
 - Net primary productivity
 - Secondary productivity

24. Organisms which obtain their energy in an ecosystem by transforming solar energy into chemical energy are called
- Detritivores
 - Carnivores
 - Autotrophs
 - Herbivores

25. Which of the following statements differentiates a food web from a food chain?
- A single link of transfer of energy from the producer to the decomposer
 - The interconnection of food chains in an ecosystem
 - The transfer of food from the producers to the omnivores
 - The transfer of energy (food) from trophic level 1 to trophic level 4

**SECTION B:
HUMAN GEOGRAPHY**

26. Which of the following combinations of factors help most to influence population distribution on the earth's surface?
- Health factors, climate, Relief, vegetation
 - Climate, Relief, Vegetation and presence of minerals
 - Presence of large markets, climate, Relief, Vegetation
 - Relief, climate, vegetation, accessibility

27. Which of the following depicts the rate at which Malthus said food supplies increases vis-à-vis population increase?
- 1,2,3,4,5
 - 1,2,4,6,8
 - 1,2,4,8,16
 - 1,2,4,16,32

28. Which of the following groups of countries have progressive age-sex pyramids?
- Cameroon, Tanzania, Senegal, Ghana
 - Cameroon, India, France, Britain
 - Cameroon, Nigeria, Kenya, USA
 - Cameroon, Greece, Portugal, Netherlands

29. The population of a given region is 8 million. In how many years will this population double itself with a growing rate of 7 percent per annum?
- 10 years
 - 7 years
 - 70 years
 - 35 years

30. Which two principles are involved in the gravity model of migration?
- Migration is directly proportional to the product of the populations of the two towns concerned but inversely proportional to the square of distance between them
 - Migration is directly proportional to the number of opportunities between the origin and the destination
 - Migration is a function of distance and time taken
 - Migration varies with the number of people per square kilometre

31. Which of the following **best** describes the regular daily movement of people from their residences to their work places and back.
- Daily mobility
 - Commuting
 - Periodic movements
 - Daily circulation

32. The table below shows the relationship between population growth and food resources.

Time	Population Growth	Food resources(per 1000 tons)
0	0	0
1	10	20
2	15	30
3	20	40
4	25	50

- This view was expressed by:
- Robert Malthus
 - Karl Marx
 - Durkheim
 - Esther Boserup

33. Isolate the two cultural factors which influence the intensity and type of farming in a place
- land tenure system
 - inheritance laws and fragmentation of holdings
 - level of technology
 - the role of the state

- 1 and 2
- 2 and 3

- C 1 and 4
- D 2 and 4

34. Which of the following does **not** apply to shifting cultivation?

- A Crops are often grown on cleared forest land
- B It rarely occurs in areas of high population density
- C Crops are grown in rotation
- D Is not a type of permanent cultivation

35. Which one of the following is a similarity between the model of Von Thunen and that of Sinclair?

- A Land use patterns and crop types change as distance increases from the city centre.
- B More agricultural inputs are used nearer the city and decreases further away.
- C Transportation of perishable products to the market is easy and fast.
- D Farming is more efficient closer to the city than further away.

36. The point beyond which the total cost of a firm exceeds its total revenue in David Smith's space cost curves is?

- A Sub optimal point
- B Break point
- C Margin of transference
- D Margin of profitability

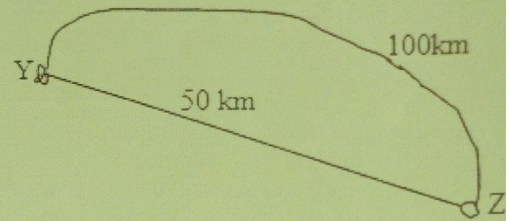
37. "Energy consumption is very important in the functioning of an industry." Which of the sources below is most responsible for the agglomeration of industries in the 19th and 20th centuries?

- A Coal
- B H.E.P
- C Biogas
- D Nuclear power

38. Data collected from Tole Tea Estate in 2011 showed that 24,000 tons of tea leaves, were plucked from the fields and when processed it produced 4,000 tons of blue label tea ready for packaging. What was the material index?

- A 2.0
- B 4.0
- C 0.16
- D 6.0

39. From the diagram below, the detour index from y, z, would be?



- A 2.0
- B 1.5
- C 2.5
- D 0.5

40. Identify the pair of professions which all belong to the tertiary sector from the list below

1. carrying timber by trucks to the port of Douala from the forest in the East region
2. digging for gold in forest of the East Region
3. teaching Mathematics to the students of GBHS Bonaberi
4. converting harvested cotton into fiber thread in Maroua

- A 1 and 2
- B 1 and 3
- C 3 and 4
- D 2 and 3

41. A random distribution pattern of settlement shown by a Nearest Neighbor Index of;

- A 2.15
- B 1.0
- C 0.0
- D 0.23

42. The minimum level of demand necessary to sustain a service or good is known as:-

- A Hierarchy of a good or service
- B Range of a good or service
- C Order of a good or service
- D Threshold of a good or service

43. Urban sprawl, overspill population, dormitory settlements, can all be associated with one of the following:-

- A Green belt
- B Counter urbanisation
- C Commuting
- D Urban fringe

44. The k-value for the market principle in Christaller's Central Place Theory is
- A K7
 - B K4
 - C K5
 - D K3
-
45. Which of the following pairs of factors is a function of bid rent?
- A Urban land value and historical relics
 - B Accessibility and urban land values
 - C Government policy and urban land values
 - D Accessibility and historical relics
-
46. Which of the following is **not** a characteristic of the CBD?
- A The amount of open space is limited.
 - B There is the absence of heavy manufacturing industries
 - C The percentage of residential population is high
 - D It has the greatest accessibility
-
47. The European Union through its representative signed an agreement with the Cameroon government granting 18 million Euros worth of aid to be invested to boost the agricultural sector. This kind of aid is most appropriately known as
- A Voluntary aid
 - B Bilateral aid
 - C Multilateral aid
 - D Indirect official aid
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48. The **most** notorious greenhouse gas which retains the greatest amount of outgoing terrestrial radiation and thus contributing to global warming is
- A CFCs
 - B Carbon dioxide
 - C Nitrous oxide
 - D Methane
-
49. All of the following are evidence of contemporary climate change (global warming) **except one**. Which is the exception?
- A Accumulation of ice
 - B Rising temperatures
 - C Rising sea level
 - D High incidence of weather extremes and disasters
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50. In W.W. Rostow's model of economic growth, the characteristics of rapid expanding tertiary sector and the decline in the manufacturing sector are found in;
- A Stage I
 - B Stage II
 - C Stage III
 - D Stage IV
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