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H.C.P
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NAME.....

DATE.....

DURATION : 2 1/2 hrs

ANSWER ALL THE QUESTIONS BY MARKING AN X ON THE CORRECT ANSWER.

1 What is the description of atmospheric condition over a long period of time?

- a) climate b) meteorology c) precipitation d) weather

They are primary gases of the homosphere and constitute about 99% of the air by volume.

- a) nitrogen and ozone b) oxygen and carbon dioxide c) nitrogen and oxygen
d) oxygen and hydrogen

3 The bottom layer of the atmosphere in which we live is the

- a) mesosphere b) stratosphere c) thermosphere d) troposphere

4 The two principal absorbers of radiation emitted by the earth's surface are

- a) nitrogen b) oxygen c) ozone d) water vapour

5 clouds are known for the following except one. identify the exception

- a) scattering b) sublimation c) albedo d) re-radiation

6 The ratio between the incoming insolation and the amount reflected back to the atmosphere is known as

- a) long waves b) short waves c) albedo d) re-radiation

7 which of these locations records a positive net radiation balance?

- a) the arctic circle b) the equatorial region c) the temperate region d) the polar region

8 Which of the following sets represent the appropriate sequence of the layers in the vertical structure of the atmosphere beginning from the ground surface

- a) troposphere, stratosphere, stratopause, mesosphere
b) thermosphere, mesosphere, stratosphere, troposphere
c) troposphere, stratosphere, mesosphere, thermosphere d) troposphere, mesosphere, thermosphere, stratosphere.

9. It is a period of unequal lengths of day and night. A) solstices b) spring equinox c) equinoxes d) revolution of the earth.
10. On a map showing temperature distribution, what are the lines connecting points of equal temperature? a) isobars, b) isotemps c) isotherms, d) equigrads
- 11). The remains of pre-historic life is called
a) Indicators b). fossils c). replicas d). fissure
- 12). Which era has the lowest time span within the geologic time scale
a). Cenozoic b). Mesozoic c). paleozoic d). precambian
- 13). Humans first appeared during which of the periods
a). Cretaceous period b). tertiary c). Jurassic period d). quaternary period
- 14). Which of the following present day continents was not a part of Gondwanaland? a. Africa b. South America c. North America d. Antarctica
- 15). The evidence of Harry Hess' theory of sea-floor spreading did not include
a). Magnetic stripes in ocean floor rocks, b). Granitic rocks in the ocean floor
c). Earthquake pattern in subduction zone, d). The age of the ocean floor rocks
- 16). Orogenesis refers to those processes that produce
a). Mountain, b). subduction c). earthquake d). volcanoes
- 17). Most of mountain building, earthquake and volcanoes occurs
a). In the center of continents, b). In the volcanic island areas
c). At plate boundaries, d). At edges of continents
- 18). What is the temperature of the earth's core?
a). 1200c b). 5000c c). 5400c d). 8500c
- 19). Pick out the idea from the list below which says that the ocean floor expand on the both side of the mid-ocean ridges; the theory of
a). Isostasy b). Continental drift c). Sea-floor spreading d). Plate tectonics
- 20). Substantial information about the interior of the earth is derived from
a) Deep drilling b). study ejected volcanic material c

c). Study of the movement of earthquake waves d). Study of meteorites

21). Which is the most liquid part of the earth

a). The outer core b). the inner core c). mantle d). sima

22). Which of the following aptly explains why the crust floats over the lower layers? a). It is made up of SIAL and SIMA b). It consist of solid rocks

, c). It is lighter with an average density of, d). The lower layers are semi liquid

23). It is the boundary zone between the mantle and the core

a). Moho discontinuity b). Conrad c). Gutenberg d). Lehman

24). Which is the largest zone of the earth's interior in terms of volume is the

a). Crust b). mantle c). outer core d). inner core

25). Pick out from the list below the zone with the highest density

a). Crust b). inner core c). outer core d). mantle

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30). All of the following are indicators of rural deprivation in Cameroon except

a). Low wages and high level of unemployment, b). Limited public and private investments c). Inadequate social facilities d). Appropriate skills and lower level of illiteracy

31). What is the highest category of rural settlement

a). village b). hamlet c). homestead d). hut

32 A type of soil whose formation and characteristics are greatly determined by climate vegetation and the activities of soil fauna is called

a)azonal soil, b)intra-zonal soil c)major d)zonal soil

33 which is the most important factor determining the formation of soils as well as the evolution of soils overtime? a)parent material b)vegetation c)time d)climate

34 Amongst the following consumers,one is a detritivore.Isolate the detritivore.

a)earthworms, b)insects c)birds d)lizards

35 What is the name given to a primay succession that develops on either a sand dune or on a bare rock surface? a)xerosere b)psammosere c)lithosere d)hydrosere

36 Which of the following term refers to the soil formation process?

a)orogenesis b)Ontogenesis c)pedogenesis d)authogenesis

37 Which of the following soil formation process contributs to the aggregation of particles and the formation of peds?

a)weathering b)humification c)translocation d) organic sorting

38 the generally accepted particles sizes that make up a soil are

a)clay, silt, boulders b)silt, clay, stones

c)boulders,silt,sand d)clay, silt,sand

39the foolowing soil type is the best used for agricultural purposes

a) loamy soil, b)silty soil, c)sandy soil, d) clayey soil

40 In the sedimentation method,after agitating and allowed to settle,which of the partices sizes settle first?a) clay-humus b)silt c)cay d)sand.