2017E.C AGEWMIDIR COMPREHENSIVE SENIOR SECONDARY SCHOOL GEOGRAPHY UNIT 1 REVIEW EXERCISES FOR GRADE 12 STUDENTS

DIRECTION: CHOOSE THE BEST ANSWER FROM THE GIVEN ALTERNATIVES AND WRITE THE CORRECT ANSWER FOR EACH QUESTIONS

1. Which one of the following is **wrong** about temperature?
   A. Temperature distribution over the earth's surface is uneven.
   B. When temperatures rise, oceans absorb more heat from the atmosphere and become warmer.
   C. Temperature increases when altitude increases.
   D. Temperature is the amount of hotness or coldness of an object.
2. _____ is the point at which the wave of an earthquake originates.
   A. Epicenter B. Focus C. Seismograph D. None
3. One of following is a very large dome shaped intrusion of igneous rock?
   A. Lacolith B. Sill C. Dike D. Batholith
4. Which one of the following is **true** about Milankovitch theory?
   A. A theory ascribing climatic changes to variations in the Earth's orbit.
   B. It is a theory first proposed in 1912.
   C. A theory that suggests the formation of the present continents.
   D. All of the above
5. Which one of following is the **correct match** of a young fold mountain and its location continent?
   A. Atlas ---› Africa C. Andes ----› South America
   B. Rockies ---› North America D. Alps ----› Europe E. All of the above
6. All of the following are the main features formed at the upper course of a river **except**
   A. Delta B. V- Shaped valley C. Waterfall and rapids D. Gorge
7. The place where tributaries join the main river is _____.
   A. Source B. Mouth C. Confluence D. Levee
8. Which one of following is the process by which rocks are broken into smaller pieces?
   A. Physical weathering B. Chemical weathering C. Mechanical weathering D. A and C
9. Which one of the following is **not true** about chemical weathering?
   A. It is most active in limestone.
   B. Pure water is the most important agent of chemical weathering.
   C. It is the complete changes in the internal structure of rocks.
   D. Rain and plant action are the main agents of chemical weathering.
10. Which one of the following is **true** about rill erosion? It
    A. Occurs when surface water moves in a wide flow.
    B. Happens when floods join together and cut the ditches wider and deeper.
    C. Occurs when surface water cuts small channels or ditches in the soil.
    D. None of the above.
11. _____ is a little hill of sand formed when sand is collected around obstacles.
    A. Loes deposit B. Sand dune C. Barkhan D. None
12. _____ is the process of breaking rock layers caused by changes of temperature.
    A. Exfoliation B. Screes C. Lava D. None

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13. One of the following is a type of volcanoes that have a low but broad profile created by highly fluid lava flows that spread over wide areas.
    A. Crater volcanoes B. Strato volcanoes C. Shield volcanoes D. Cinder cones
14. The most common agent of soil erosion in desert and semi desert areas is _____.
    A. Running water B. Wind C. Ocean current D. None
15. One of the following features is formed when the land between two parallel faults sinks down.
    A. Block mountains B. Fold mountains C. Rift valley D. None
16. One of the following is the process by which molten rock or magma and solid material together with gases is forced out on the surface of the earth.
    A. Earthquake B. Folding C. Volcanism D. Faulting
17. One of the following refers to the down slope movements of rock, regolith and soil under the influence of gravity.
    A. Volcanism B. Mass wasting C. Earthquake D. None
18. Which one of the following is **true** about external forces?
    A. They are forces that act on the surface of the earth from the outside.
    B. They are forces that come from inside the surface of the earth.
    C. They include folding, faulting, earthquakes and volcanic eruptions.
    D. They are also known as endogenic forces.
19. Which one of the following is the effect of earthquake?
    A. Earthquakes can do significant damage on infrastructures.
    B. Earthquakes can lead to devastating fires.
    C. Underwater earthquakes can cause giant waves called tsunamis.
    D. Tsunamis can be catastrophic, with the potential to wipe out coastal settlements.
    E. All of the above.
20. Which one of the following is not a part of Laurasia?
    A. Europe B. Africa C. North America D. Asia
21. The sudden shaking of the ground that occurs when mass of rocks change position below the earth's surface is called
    A. Mass wasting B. Volcanism C. Earth quake D. None
22. Which one of the following is a geological evidence used by Alfred Wegener to support his theory?
    A. Coastline similarity B. Fossil evidence C. Paleo climatic evidence D. All
23. Which one of the following is a block mountain in Africa?
    A. Atlas B. Kilimanjaro C. Meru D. Ruwenzori
24. Which one of the following is not true about an earthquake?
    A. It is caused by the rapid release of strain energy that is stored within the rocks of the crust.
    B. It spread through the rock in all directions.
    C. It is measured by a sensitive instrument called Seismograph.
    D. About 3% of the total energy comes from shallow earthquakes.
25. _____ is the process by which molten rock or magma together with gaseous and solid materials is forced out on the surface of the earth.
    A. Earthquake B. Volcanism C.Tsunami D. Fold

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26. Most geoscientists agree that motion of the plate is ultimately driven by
    A. Orogenesis B. Convection currents in the mantle C. Thermal conductivity D. None
27. Theory that explained how the outer layers of the earth move and deform is
    A. Plate tectonics B. Continental drift C. Ocean floor spreading D. All
28. What is the name of the huge sea that existed around Pangaea?
    A. Atlantic ocean B. Tethys C. Amazon D. Antarctica E. None
29. The process where under sea volcanoes and crust explained by heating have produced a long under sea ridge with a rift in the middle where the plates are separating is called
    A. Oceanic ridges B. Volcanic islands C. Trenches D. Sea floor spreading
30. Most transform faults are found on the sea floor along the undersea mountain chains called
    A. Oceanic ridges B. Volcanic islands C. Trenchs D. Horst
31. According to Alfred Wegener continental glaciations similarity is the evidence of
    A. Fossil B. Coastline C. Paleo climate D. Rock
32. If two oceanic plates converge, subduction of one under the other may produce
    A. Arc of volcanic islands B. Oceanic ridges C. Rift valley D. Sea floor
33. One is **wrong** about the main reasons for the rejection of the Wegener's theory of continental drift by scientific community of the time
    A. Wegener was not a geologist by profession
    B. Lack of direct evidence for the movements of continents and the needed explanation for the mechanism
    C. Most influential geoscientists at that time were based in the northern hemisphere whereas most of the conclusive data came from the southern hemisphere
    D. None
34. Which of the features given below is associated with the work of wind action in different areas?
    A. Sand dunes B. Barkhan C. Loess deposits D. All E. None
35. An area of salt water separated from the sea by loose banks is
    A. Beach B. Lagoon C. Spit D. All
36. A rift valley is an evidence of which kind of plate boundary?
    A. Convergent boundary C. Transform boundary
    B. Divergent boundary D. All
37. A crack on the earth's crust formed by the forces of tension and compression is
    A. Volcano B. Fold C. Fault D. All
38. The undulations or bends developed in rocks are called _____
    A. Faults B. Folds C. Volcano D. Denudation
39. Which one of the following is **Incorrect** about plate tectonics?
    A. Plate tectonics theory is now universally accepted and its adoption represents a true scientific revolution.
    B. The plate tectonic theory is based on a broad synthesis of geologic and geo-physical data
    C. Plate tectonics theory serves as a prime cause of long term climate change and makes a significant contribution to the chemical and physical environment in which life evolves.
    D. Plate tectonics theory serves as the foundation up on which we understand the geologic processes that shape the earth. E. None

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40. Instrument that can detect earthquake wave is called _____
    A. Thermograph B. Seismograph C. Win vane D. None
41. The type of erosion occurs when surface water cuts small channels or ditches in the soil is
    A. Sheet erosion B. Gully erosion C. Rill erosion D. None
42. Ancient super continent in Alfred Wegeners continental drift hypothesis when all the continents were assembled in to a single landmass was called
    A. Laurasia B. Pangaea C. Gondwanaland D. None
43. At what type of plate boundary are most high continental mountains formed?
    A. Convergent boundary C. Transform boundary
    B. B. Divergent boundary D. All
44. A fold formed when one limb is pushed over the other limb is
    A. Asymmetrical folds C. Over thrust folds
    B. Over folds D. Over folds E. None
45. Among the following fold mountains one is **not** young
    A. Appalachian B. Himalayas C. Andes D. Atlas
46. One is not a physical weathering process
    A. Temperature change C. Frost action
    B. Rain action D. None
47. The type of plate boundary where two plates come together is
    A. Convergent boundary C. Divergent boundary
    B. Transform boundary D. None
48. Which of these best describe weathering?
    A. The transfer of rock material downslope by gravity
    B. The mechanical and chemical disintegration of rock on or near the surface
    C. The alteration of igneous rocks in to sand and clay minerals
    D. The removal of material by flowing water, air, or ice
49. One of the following is **not** type of lower course landforms
    A. Floodplain B. Delta C. Ox-bow lake D. None
50. Which one of the following statement is **wrongly** matched?
    A. Mountain building- Orogenesis
    B. The winding of a river- Meander
    C. Constructive boundary- Convergent plate boundary
    D. The triangular piece of land at the mouth of r a river- Delta

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