

PTin30 Days

DAY - 5: PHYSICAL GEOGRAPHY

Answer Booklet

1. Which of the following pairs is most suitable for ascertaining the origin of the rocks?

- a) Colour and Shape
- b) Size and Weight
- c) Density and hardness
- d) Structure and composition

Answer: (D)

2. The waves that help scientists to understand the internal structure of the Earth are:

- a) Primary waves
- b) Secondary Waves
- c) Surface Waves
- d) Longitudinal waves

Answer: (B)

3. Which one of the following is related to the origin of fold mountains?

- a) Accreting Plate margin
- b) Consuming Plate margin
- c) Conserving plate margin
- d) Intra plate Zone

Answer: (B)

4. Granite and Basalt are the examples of which of the following?

- a) Sedimentary rocks
- b) Igneous rocks
- c) Metamorphic rocks
- d) None of the Above

Answer: (B)

5. Quartzite is metamorphosed from:

- a) Limestone
- b) Obsidian
- c) Sandstone
- d) Shale

Answer: (C)

6. Gutenberg discontinuity separates:

- a) Crust from the upper mantle
- b) Upper mantle from lower mantle
- c) Lower mantle from outer core
- d) Outer core from inner core

Answer: (C)

7. Esker is a geomorphic feature developed by:

- a) Mechanical weathering
- b) River action
- c) Glaciofluvial deposits
- d) Aeolian deposits

Answer: (C)

8. Which one of the following processes is responsible for the weathering of rocks in a Karst region?

- a) Hydrolysis
- b) Carbonation
- c) Oxidation
- d) None of these

Answer: (B)

9. The unconsolidated rock material deposited by surface wash at the base of a cliff is called:

- a) Alluvium
- b) Colluvium
- c) Moraines
- d) Silt

Answer: (B)

10. Peneplain is related to:

- a) Wind
- b) Underground water
- c) Glacier

d) River

Answer: (D)

11. Thunderstorms are associated with:

- a) Cumulous cloud
- b) Cumulonimbus Cloud
- c) Cirrus Clouds
- d) Stratus clouds

Answer: (B)

12. Atmospheric layer which reflects radio waves is called:

- a) Exosphere
- b) Ionosphere
- c) Stratosphere
- d) Troposphere

Answer: (B)

13. In a cyclone in northern hemisphere winds blow:

- a) Anti-clockwise
- b) Clockwise
- c) Straight centre ward
- d) Radially outward

Answer: (A)

14. Doldrum is characterized by:

- a) Uniform high pressure
- b) Uniform low pressure
- c) High wind velocity
- d) High humidity

Answer: (B)

15. Because of which of the following factors, clouds do not precipitate in deserts?

- a) Low pressure
- b) Low humidity
- c) High wind velocity
- d) High temperature

Answer: (B)

16. Which one among the following statements regarding Chinook winds is not correct?

- a) They are local winds
- b) They descend along the Eastern slopes of the rocky mountain in mid-latitudes
- c) They bring lots of rain with them
- d) They benefit agriculture

Answer: (C)

17. Which one of the following represents a source of atmospheric energy?

- a) Infrared radiation emitted downward from clouds
- b) Visible radiation scattered upward into the space
- c) Latent heat released
- d) Albedo of the Earth and the atmosphere

Answer: (C)

18. Which one of the following processes is important for the formation of lightning in a developed cloud?

- a) Absorption of solar cosmic rays
- b) Small lapse rate
- c) Strong vertical air current
- d) Heavy rainfall

Answer: (C)

19. Which one among the following is not an important actor of climate of an area?

- a) Latitude
- b) Longitude
- c) Altitude
- d) Distance from Sea

Answer: (B)

20. The deepest lake of the world is:

- a) Baikal
- b) Crater
- c) Nyasa
- d) Tanganyika

Answer: (A)

21. Volcanic eruptions do not occur in the:

- a) Baltic Sea
- b) Black sea
- c) Caribbean Sea
- d) Caspian Sea

Answer: (A)

22. Which of the following seas has the highest salinity?

- a) Caspian Sea
- b) Mediterranean Sea
- c) Red Sea
- d) Dead sea

Answer: (D)

23. What is the name of the strait where Ram Setu is situated?

- a) Bering strait
- b) Cook strait
- c) Palk strait
- d) None of the above

Answer: (C)

24. Which one among the following best explains the reason for the Eastern and Western boundaries of the Pacific Ocean experiencing frequent earthquakes?

- a) There are deep ocean trenches along these margins
- b) High mountain stretches along the continental margins adjacent to this ocean
- c) The currents of the vast Pacific Ocean continue to dash against the continental margins
- d) These margins coincide with the plate margins

Answer: (D)

25. The term Swash refers to:

- a) Backward movement of sea water at the beach after the breaking of a wave
- b) Oblique movement of sea water at the beach after the breaking of a wave
- c) Forward movement of sea water up the beach after the breaking of a wave
- d) Sideward movement of sea water up the beach after the breaking of a wave

Answer: (C)

26. The term syzygy is referred to when:

- a) The earth is at Perihelion and the Moon at Perigee
- b) The Earth is at Aphelion and the Moon at Apogee
- c) The Moon and the Sun are at right angles with reference to the earth
- d) The Moon, Sun and the Earth lie along a straight line

Answer: (D)

27. The Blue moon phenomenon occurs:

- a) When two full moons occur in the same month
- b) When two full moons appear in the same month thrice in a calendar year
- c) When four full moons appear in two consecutive months of the same calendar years
- d) None of the above

Answer: (A)

28. Which one of the following is the reason due to which the wind in the Southern hemisphere is deflected towards its left?

- a) Difference in the water masses of the northern and southern hemisphere
- b) Temperature and pressure variations

- c) Inclined axis of the earth
- d) Rotation of the Earth

Answer: (D)

29. The thermal equator is found:

- a) At the equator
- b) South of the geographical equator
- c) North of the geographical equator
- d) At the tropic of cancer

Answer: (C)

30. Which parts of the Earth's surface experience least variation in the incoming solar radiation throughout the year?

- a) Poles
- b) Equatorial regions
- c) Tropics of Cancer and Capricorn
- d) Arctic and Antarctic circles

Answer: (B)

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