

GEOGRAPHY

MOCK TEST-8



1. What is a cloudburst?

- a) It refers to a sudden and abundant rainfall over a small area which often lasts for only a few minutes
- b) It refers to 50 mm rain over a period of time
- c) It is caused by rapid condensation of very high clouds
- d) It refers to a thunderstorm with little rain

2. In the earth atmosphere, the atmospheric pressure

- a. increases with height
- b. decreases with height
- c. remains constant with height
- d. first increases and then decreases with height

3. Hurricanes are cyclonic storms in the

- a. Indian Ocean
- b. South China Sea
- c. West Indies
- d. West Pacific Ocean

4. With reference to International Date Line (IDL), consider the following statements:

- 1. A traveler crossing the IDL from east to west gains a day.
- 2. IDL is an imaginary straight line at 180 degree meridian.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

5. Which gases are not the green house gases?

- a. Methane (CH₄)
- b. ChlorFluro Carbons (CFC)
- c. Carbon dioxide (CO₂)
- d. Hydrogen (H₂)

6. High pressure sub-tropical calm belts known as 'Horse Latitudes' lie between

- a. 0° and 10°
- b. 15° and 25°
- c. 20° and 25°
- d. 30° and 35°

7. Which region of the Earth's surface is called doldrums?

- a. Equatorial low pressure belt
- b. Sub-tropical high pressure belt
- c. Between 10° to 23½° North and South Latitudes
- d. Sub-polar low pressure belt

8. Consider the following statements:

- 1. The approach of a cyclone is characterized by a rise in barometric reading.
- 2. In the cyclones of the northern hemisphere, the winds circulate in anti-clockwise direction.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

9. The fraction of solar energy reflected from Earth into space is known as

- a. insolation
- b. albedo
- c. irradiation
- d. heat loss

10. El Nino is

- a. A sea storm
- b. A warm ocean current
- c. A tropical disturbance
- d. Another name of typhoon

11. Isotherms are :

- a. contour lines showing equal amount of sunshine
- b. lines on a map joining places which have the same mean temperature
- c. contour lines of equal rainfall
- d. contour lines of equal air pressure

12. Consider the following statements and identify the right ones.

- i) Air pressure decreases when air descends.
 - ii) Air pressure at sea level is lower than at the mountain top.
- a. i only
 - b. ii only
 - c. Both
 - d. None

13. Which one among the following waves are called waves of heat energy?

- a. Radio waves
- b. Infrared waves
- c. Ultraviolet waves
- d. Microwaves

14. In which of the following processes of heat transfer no medium is required?

- a. Conduction
- b. Convection
- c. Radiation
- d. All

15. Which one of the following is the mode of heat transfer in which warm material is transported so as to displace a cooler material?

- a. Conduction only
- b. Convection only
- c. Radiation
- d. Both conduction and convection

16. If a place is located at 20° N, 80°E in which of the following continents does it lie?

- (a) Africa
- (b) Asia
- (c) Europe
- (d) North America

17. If there are four places on the same meridian 500 km apart and the local time at one place is 12 : 00 noon, what will be the time at the three other places?

- (a) 12 : 00 noon
- (b) 1 : 00 pm
- (c) 2 : 00 pm
- (d) Different time at different places

18. The permanent tilt of the earth's axis and the revolution of the earth in its orbit together cause:

- I. Deflection of winds and ocean currents
 - II. Differences in time between places on different meridians
 - III. Varying length of day and night at different times of the year
 - IV. Changes in the altitude of the mid-day sun at different times of the year
- (a) II, III and IV
 - (b) I and IV
 - (c) III and IV
 - (d) I, II and III

19. The movement of ocean currents is influenced by many factors which include:

- 1. temperatur
- 2. salinity
- 3. earth's rotation

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) 1, 2 and 3

20. Which of the following is not Indian Ocean Current?

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- a. Antarctic Drift
c. South Equatorial Current
- b. Aghula Current
d. West Australian Current
21. Which planet is known as the earth's twin?
a. Venus
c. Uranus
- b. Mars
d. Neptune
22. A black hole is a
a. Contracted star with intense gravitational pull
b. Star with very low surface temperature
c. Star with no atmosphere
d. Pulsating star
23. The correct sequence of planets in the descending order of their equatorial diameter is
a. MARS, MERCURY, URANUS, EARTH
b. EARTH, MARS, MERCURY, URANUS
c. MERCURY, URANUS, MARS, EARTH
d. URANUS, EARTH, MARS, MERCURY
24. We observe twinkling of star due to
a. Frequent and periodic fluctuations of temperature of the surface
b. Constant change of refractive index of the medium between the stars and the earth because of temperature variation
c. Great distance of star from the earth
d. Rise and fall of gaseous ball of fire inside the stars
25. The term 'syzygy' is referred to when the
a. Earth is at perihelion and moon at perigee
b. Earth is at aphelion and moon at apogee
c. Moon and sun are at right angles with reference to the earth
d. Moon, sun and earth, lie along a straight line
26. The core of the earth is made up of
a. Mainly of iron in the liquid form
b. Mainly of nickel in the liquid form
c. Both of iron and silica in the liquid form
d. Both iron and magnesium in the plastic state
27. At the summer solstice, which one of the following latitudes will have the longest night?
a. 45°N
c. 60°N
- b. 45°S
d. 60°S
28. If a place is located at 20°N, 80°E in which of the following continents does it lie?
a. Africa
c. Europe
- b. Asia
d. North America
29. The sun is never overhead at any time in
1. north temperate zone
3. north frigid zone
a. only 3
c. 2 and 3
2. south temperate zone
4. torrid zone
b. 1, 2 and 3
d. 1, 2, 3 and 4
30. Days and nights are caused by
1. Rotation of the earth on its axis
2. Revolution of the earth around the sun
3. Inclination of the earth at an angle of 66 1/2°
a. 1
c. 1 and 3
- b. 2 and 3
d. 1, 2 and 3
31. When it is 12.00 noon at Delhi people at another place on earth take their 6 O'clock morning tea the longitude of that place is
a. 17°30'E
c. 172°30'E
- b. 12°50'W
d. 17°E
32. A one day cricket match between India and England starts at 10.00 am in London the direction telecast of the match will begin in India at
a. 3.30am
c. 3.30pm
- b. 8.30 am
d. 8 pm
33. The incoming short-wave solar radiation is balanced by an equal amount of long-wave radiation from earth going back to space. This is known as
a. Earth radiation
c. Heat balance of earth
- b. Wave balance of earth
d. Radiation exchange
34. Consider the following statement
1. The acid lava usually melts at a relatively higher temperature as compared to basic lava.
2. The acid lava solidifies into glass like sheets and the basaltic into rough surface
Which of the statement given above is/are correct?
a. Only 1
c. Both 1 and 2
- b. Only 2
d. Neither 1 nor 2
35. Atmospheric pressure depends on
1. Altitude
3. Earth rotation
a. 1, 2 and 3
c. 1 and 2
2. Temperature
4. Moon's pull
b. 2 and 3
d. 1, 2, 3 and 4