

## 9th Social Science Lesson 15 Questions in English - Geography

## 4] Hydrosphere

1. How many spheres does the earth consists of?
  - a) Three
  - b) Four
  - c) Five
  - d) Two
2. Which of the following statement is correct?
  - 1) Hydrosphere consists of water in various forms found on the earth
  - 2) Over 87% of the water on the Earth's surface is confined to oceans.
  - 3) Less than 3% of water is held on land as glaciers, ice caps, groundwater, rivers, lakes, and also as the water vapour in air
  - a) 1, 2
  - b) 1, 3
  - c) 2, 3
  - d) All the above
3. Assertion (A): Earth is also called the Blue planet  
Reason (R): Earth holds water in abundance and thus stands unique among all other planets.
  - a) Both (A) and (R) are correct, but (R) does not explain (A)
  - b) Both (A) and (R) are wrong
  - c) Both (A) and (R) are correct and (R) explains (A)
  - d) (A) is Correct and (R) is wrong
4. Which of the following statement is correct?
  - 1) The Earth's water is not static.
  - 2) It is always in motion.
  - 3) This continuous movement of water on, above and below the earth's surface is called the Hydrological Cycle
  - a) 1, 2
  - b) 1, 3
  - c) 2, 3
  - d) All the above
5. How many major processes involved in the water cycle?
  - a) 2
  - b) 4
  - c) 3
  - d) 5
6. \_\_\_\_\_ is considered to be the purest form of water
  - a) Sea water
  - b) Rain water
  - c) Lake water
  - d) All the above
7. Which of the following statement is correct?
  - 1) A major part of fresh water is found in the frozen state in the form of ice caps and glaciers
  - 2) Around 1% of it is found in the liquid state as rivers, streams, lakes, ponds etc.
  - 3) Surface water may also penetrate through porous rocks and gets collected beneath the Earth's surface and it is called as groundwater
  - a) 1, 2
  - b) 1, 3
  - c) 2, 3
  - d) All the above
8. \_\_\_\_\_ is known as the land of thousand lakes
  - a) India
  - b) Finland
  - c) Armenia
  - d) China
9. The northern hemisphere holds \_\_\_\_% of land whereas the southern hemisphere holds \_\_\_\_% of water
  - a) 50, 50

b) 64, 36

c) 61, 81

d) 81, 19

10. Which hemisphere is called as the land hemisphere?

a) Northern

b) Southern

c) Exactly at Equator

d) Both a and b

11. Who was named as the first, 'Hero for the Planet' by Time magazine?

a) Narendra Modi

b) Sylvia Earle

c) Jacques-Yves Cousteau

d) Elon Musk

12. Which French Ocean explorer conducted extensive under-sea investigations?

a) Joey Tribiyani

b) Sylvia Earle

c) Jacques-Yves Cousteau

d) Elon Musk

13. A shallow and gently sloping platform extending out from the adjoining continental land mass into the sea is called \_\_\_\_\_

a) Continental shelf

b) Continental slope

c) Continental rise

d) None

14. What does the Greek term Hypso mean?

a) Water

b) Height

c) Deep

d) Salt

15. Which of the following statement about Continental shelf is correct?

1) They are shallower, thus enables sunlight to penetrate through the water

2) These zones become the richest fishing grounds in the world

3) The continental shelves have extensive deposits of minerals and mineral fuels.

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

16. \_\_\_\_\_ is India's largest oil and gas exploration and production company

a) Bharat gas

b) Indane gas

c) ONGC

d) None

17. Which of the following statement about Continental Slope is correct?

1) A steep slope which descends from the edge of the continental shelf to the deep ocean-bed is called continental slope

2) The most important characteristic of continental slope is the presence of deep canyons and trenches.

3) Due to the penetration of sunlight, the slope has high temperature.

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

18. Continental rise is found between \_\_\_\_\_

1) Continental Slope

2) Continental Shelf

3) Abyssal plain

a) 1, 2

b) 1, 3

c) 2, 3

d) None

19. Which of the following statement is correct?

- 1) The deep-sea plain or abyssal plains are underwater plains found on the deep ocean floor
- 2) These plains are usually covered by the thick layer of sediments composed of clay, silt and sand, brought by the rivers
- 3) These plains extend from continental rise to the mid oceanic ridges

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

20. In which of the following Oceans Abyssal plains tend to be extensive?

- 1) Pacific Ocean
- 2) Atlantic Ocean
- 3) Indian Ocean

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

21. Oceanic Deeps occupy \_\_\_\_\_ % of the total relief of the ocean floor.

- a) 15
- b) 7
- c) 9
- d) 21

22. Epicentre of the great earthquakes are all found in \_\_\_\_\_

- a) Oceanic Ridges
- b) Trenches
- c) Abyssal Plains
- d) All the above

23. \_\_\_\_\_ is the deepest known underwater sink hole in the world

- a) Pacific hole
- b) Dragon hole
- c) Chinese hole
- d) Monster hole

24. Which of the following statement is correct?

- 1) Oceanic ridge is a continuous submarine mountain chain.
- 2) Two of the most well-known midocean ridges are the Mid-Atlantic Ridge and the East Pacific Ridge.
- 3) East Pacific Ridge is the largest unbroken oceanic ridge

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

25. Match the following

I. Fathoms - 1. imaginary line on a map joining the points of equal depth

II. Isobath - 2. imaginary line on a map joining the points of equal salinity in oceans

III. Isohaline - 3. nautical measurement of the depth of water in the ocean

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

26. Which of the following keeps the ocean waters in movement, both horizontally and vertically?

- 1) Salinity
  - 2) External forces of the sun and moon
  - 3) Winds
- a) 1, 3
  - b) 2, 3
  - c) 2 alone
  - d) All the above

27. Which of the following statement is correct?

- 1) Of all the movements of the oceans, sea waves are considered to be the strongest
- 2) The height of these waves depends on the speed of wind, its duration and the direction from which they blow

3) Sometimes waves are also caused by tremors felt on the ocean floor.

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

28. Wave energy power plants have been installed at\_\_\_\_\_

- a) Tamil Nadu and Kerala
- b) Tamil Nadu and Andaman and Nicobar island
- c) Kerala coast and Andaman and Nicobar island
- d) Gujarat and Kerala

29. The periodic rise and fall of sea water due to\_\_\_\_\_

- a) Salinity
- b) Wind
- c) Gravitational pull of the sun on earth
- d) Gravitational pull of the sun and moon on earth

30. Spring tides occurs during\_\_\_\_\_

- a) Full moon day
- b) No moon day
- c) Either a or b
- d) Half moon day

31. When does a neap tide take place?

- a) Sun and the moon are at right angles
- b) Sun and the moon are opposite to each other
- c) During solar eclipse
- d) During lunar eclipse

32. Where does Potential tidal energy zones of India located?

- a) Gulf of Kambhat
- b) Gulf of Kutch
- c) Sundarbans
- d) All the above

33. Maritime boundary of most the Countries is fixed to be \_\_\_\_\_nautical miles from the baseline.

- a) 9
- b) 200
- c) 3
- d) 12

34. In northern hemisphere the movement of ocean currents are in\_\_\_\_\_

- a) Clockwise
- b) Anti-clockwise
- c) Either a or b
- d) Clockwise in morning and anti-clockwise in evening

35. Which of the following generates ocean current?

- 1) Earth's rotation
- 2) Prevailing winds
- 3) Differences in temperature and salinity of ocean water

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

36. Which of the following statement is correct?

- 1) The movement of ocean currents from the low latitudes towards high latitudes is called warm current.
- 2) On the basis of temperature, ocean currents are classified as warm currents and cold currents
- 3) Gulf Stream in Atlantic Ocean is an cold current

- a) 1, 2
- b) 1, 3
- c) 2, 3
- d) All the above

37. In which state headquarters of NIO is located?

- a) Maharashtra
- b) Tamil Nadu
- c) Goa

d) Kerala

38. Which of the following statement is correct?

1) The biotic and abiotic resources found in the oceanic water and at the bottoms are called marine resources.

2) The ocean's resources play a vital role in sustaining the needs of society.

3) The world's demand for energy, minerals and water have become increasingly dependent on non-living marine resources

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

39. Which of the following statement is correct?

1) Oceans are the life blood of planet earth and mankind

2) Oceans have extensive deposits of oil reserves

3) Coastal tourism also attracts people around the world, thereby contributing to the economy of many countries.

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

40. Benguela a cold Current is found in\_\_\_\_\_

a) Indian Ocean

b) South Atlantic Ocean

c) Pacific Ocean

d) Arctic Ocean

41. Which of the following are ocean current in north Atlantic Ocean?

1) Canaries

2) Labrador

3) Oyashio

4) Gulf Stream

a) 1, 2, 4

b) 2, 3, 4

c) 1, 2, 3

d) All the above

42. Which of the following statement is correct about Humboldt Current?

1) Helped in the desertification of the Atacama desert.

2) El-Nino effects the weather in western & S. America

3) It doesn't affect timely arrival of Indian monsoon

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

43. Which of the following are North Pacific Ocean current?

1) Oyashio

2) Alaska Current

3) California Current

a) 1, 2

b) 1, 3

c) 2, 3

d) All the above

44. Which of the ocean current is in Indian Ocean?

a) Kurile Current

b) Indian current

c) West Australian Current

d) All the above

45. The Great Barrier Reef is located in\_\_\_\_\_

a) India

b) Sri Lanka

c) Australia

d) Indonesia

46. When was Gangetic Dolphin was declared the National Aquatic Animal?

- a) 2014
- b) 2010
- c) 2013
- d) 2012

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