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Std. VII Div.          

MCQs

1) Which one of the following is a basic life support system?

a) Music system

b) Environment

c) Transportation

d) None of these

2) Which one of the following is created by nature?

a) Car, scooters, buses

b) Mountains

c) Roads, books, pen and copiers

d) All of these

3) The domain of water is referred to

a) hydrosphere

b) lithosphere

c) atmosphere

d) biosphere

4) What do plant and animal kingdom make together?

a) biosphere

b) hydrosphere

c) atmosphere

d) all of these

5) Which of the following animals is called the ship of the desert?

- a) camel
- b) goat
- c) cow
- d) dogs

6) When is the World Environment day celebrated every year?

- a) 25th December
- b) 23rd June
- c) 26th January
- d) 5th June

7) Who interacts with the environment and modify it according to their ~~own~~ needs?

- a) human beings
- b) animals
- c) rivers
- d) Mountain

8) Which one of the following is not a threat to environment?

- a) growing population
- b) growing plants
- c) growing industries
- d) all of these

1) Why is environment changing?

Our environment is changing because of changing temperature, Deforestation and industries. This harms the environment and changes it.

2) How do human beings modify the environment?

1. Human modify the environment for greed. They cut down the forests, causing deforestation. This causes global warming. They
2. People living in coastal areas eat rice and fish and wear cotton clothes whereas people living in colder regions eat wheat and barley and wear woolen clothes.

3) Distinguish between biotic and abiotic environment.

| <u>BIOTIC</u>                      | <u>ABIOTIC</u>         |
|------------------------------------|------------------------|
| • Living things                    | Non-living things      |
| • Biodegradable                    | Non-biodegradable      |
| • changes according to environment | doesn't change at all. |

4) Explain with examples, the different components of environment.

- Hydrosphere - derived from greek word (hydro) meaning water. It is the water domain where aqua life exists. It exists in three form - ice (solid)  
~~liquid (gas)~~ water (liquid)  
clouds (gas)

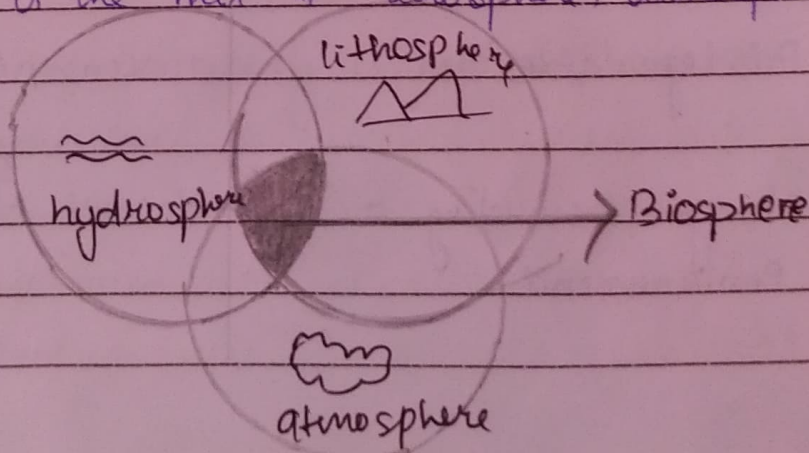
Example - well, rain, ocean.

- Lithosphere - derived from greek word (lithos) meaning the land. It is the water domains of where humans exist.

Example - land.

- Atmosphere - derived from greek word (atmos) meaning the air. It is the air/sky domain where birds exist.  
Example - bird.

- Biosphere - It is the mix of lithosphere, atmosphere and hydrosphere.



5) What is environment?

All the living and non-living things make up the environment. It is the sum total of all the conditions that influence human beings at any point of time.

1) What comprises natural environment?

Land, air, water, plants and animals comprise natural environment. Land means lithosphere or land domain, air means atmosphere or air domain, water means hydrosphere or air domain. Together these domains form biosphere and plants, animals are a part of it.

2) Describe lithosphere and hydrosphere.

(Lithos) Lithosphere:- The word is derived from greek word (~~hydro~~) meaning land. It is the domain where plants grow and humans live.

Hydrosphere:- The word is derived from greek word (hydro) meaning water. It is the domain where aquatic life live. It exists in 3 form - Solid (ice)  
Liquid (water)  
Gas (clouds)

3) Give an account of the atmosphere.

Atmosphere is derived from greek word meaning air. It is the layer of earth that surrounds the planet and protects it from harmful rays. It is a mixture of dust, gases and water vapours. It acts as a blanket for Earth. It is held by the gravity of the Earth. It provides us with oxygen, which we inhale.

4) Define the term Biosphere.

Biosphere is a domain formed by atmosphere or the air domain, hydrosphere or the water domain and lithosphere or the land domain.

5) What do you understand by the term ecosystem?

An ecosystem is the geographic area where plants and animals live. It contains ~~but~~ both biotic and abiotic components function together. They can be large as ~~an~~ grassland, small as a pond. They can be natural (forests, deserts) and artificial (aquarium).

6) Compare and contrast the climatic conditions of Kerala and Rajasthan.

Rajasthan and Kerala are geographical important states of India. The climates are also completely different due to various geographical factors. Kerala has coastal regions as ocean currents affect a lot in the Kerala's weather. But, Rajasthan has no beaches and coastal regions as a result the climate here is almost hot and dry throughout the whole year.

7) Name some animals found in desert.

Animals found in desert are :- camel, rabbit, lizard, snakes, toads, spiders, bat, wolves, black bears and scorpions.

8) Why do the animals and vegetation vary from place to place?

The growth of vegetation depends on temperature and moisture, and also the thickness of the soil. Plants and animals depend upon heat and water. Plants like cactus store water in their stems and can live without it.

9) What forms the Ecosystem? Give some examples of ecosystem.



Ecosystem is formed by every biotic be it plants and abiotic components that function together.

Examples: - Grasslands, desert, aquarium etc.

10) Do you think the park in which Ravi and his friends played formed an ecosystem? Explain.

The park in which Ravi played formed an ecosystem as it contained trees and pond.

11) What has brought a change in interaction between human and their surroundings?

Human beings modify their environment as per their need. Early humans adapted themselves to their natural surroundings. But in modern world we are modifying it to live in. And this has brought changes like global warming, lack of clean drinking water, deforestation etc. The main cause is technology. And for this we are forced to face natural phenomenon such as storms, earthquakes which are directly or indirectly caused by humans.