

**Class: XI**  
**Subject: Math's**  
**Topic: Some Basic Concepts of Chemistry**  
**No. of Questions: 20**

- Q1. Earthworms breath through  
(A) Lungs  
(B) Gils  
(C) Skin  
(D) Air tube
- Q2. An organism body is streamlined, the habitat of organism should be  
(A) Land  
(B) Water  
(C) Desert  
(D) Mountain
- Q3. Typical feature of desert plant is  
(A) Loss of lot water through transpiration.  
(B) Lose very little water through transpiration.  
(C) Roots are short.  
(D) Leaves are broad.
- Q4. Which one is not an example of habitat?  
(A) A desert with camel  
(B) A pond with fish  
(C) Forest with wild animals  
(D) Cultivated land with grazing cattle.
- Q5. During photosynthesis which gas is released?  
(A) Hydrogen  
(B) Nitrogen  
(C) Carbon dioxide  
(D) Oxygen

- Q6. Match the following
- | Column A                    | Column B                |
|-----------------------------|-------------------------|
| (A) Cone shaped plants      | (i) Aquatic plant       |
| (B) Normal root and stem    | (ii) Desert plant       |
| (C) Spine-like leaves       | (iii) Mountainous plant |
| (D) Profusely spread branch | (iv) Floating plants    |
| (E) Waxy coating on leaves  | (v) Terrestrial plant.  |
- Q7. Write T for true and F for false statement.
- (A) Camel excretes less quantity of urine.  
(B) Cockroach is a nocturnal animal.  
(C) Thick protein layer is present below skin in mountainous organism.  
(D) Plant intake carbon dioxide during respiration.  
(E) Movement is the characteristic feature of all living organism.
- Q8. What are stimuli? Give an example.
- Q9. How cactus has adapted to survive in deserts?
- Q10. List the common characteristic of living things.
- Q11. Classify the habitats of these organisms as pond, sea or deserts. Octopus, rohu, cactus, frog, Hydrilla, camel, starfish, shark, lotus.
- Q12. Match the following
- | Column A        | Column B                             |
|-----------------|--------------------------------------|
| (A) Xerophytes  | (i) streamlined body.                |
| (B) Hydrophytes | (ii) thick skin having fat layer.    |
| (C) Aerial      | (iii) leaves modified to spine.      |
| (D) Mountains   | (iv) spongy leaves and waxy coating. |
| (E) Aquatic     | (v) bones are hollow.                |
- Q13. Fill in the blanks with suitable word.
- (A) Pine tree are found in ----- places.  
(B) Microorganism feed on dead  
(C) Biotic components include all ----- things of the environment.  
(D) Green leaves contain ----- to absorb solar energy.  
(E) The transfer of pollen grain from anther to stigma is called -----.
- Q14. What is soil? Why it is so important?

- Q15. Sunlight is essential for photosynthesis than, how aquatic plants survive?
- Q16. What is different between submerged and floating plants? Give example.
- Q17. What may happen if:
- (A) A fish is taken away from water and placed on land.
  - (B) A lotus plant is removed from water and planted on land.
  - (C) Insect living in soil placed in a pond.
  - (D) Mango sapling is planted under water.
- Q18. Match the following
- | Column A         | Column B                                |
|------------------|---|
| (A) Autotrophs   | (i) A place with many trees and plants  |
| (B) Heterotrophs | (ii) A place where living organism live |
| (C) Forest       | (iii) Live in water                     |
| (D) Habitat      | (iv) All animals                        |
| (E) Aquatic      | (v) All green plants                    |
- Q19. Write T for true statement and F for false statement.
- (A) All animals are Autotrophs.
  - (B) Light, temperature, soil, water are called abiotic components.
  - (C) Organisms living in water are called terrestrial animals.
  - (D) Habitat is the habit of living and non-living things.
  - (E) Crocodile is an example of amphibian.
- Q20. How plants and animals are interdependent on each other?
- Q21. What is adaptation?
- Q22. Write the importance of habitats?
- Q23. Classify the following components of environment as biotic and abiotic.
- (A) Plants
  - (B) Bacteria
  - (C) Sunlight
  - (D) Fungi
  - (E) Soil
  - (F) Temperature.

- Q24. Fill in the blanks.
- (A) Green plants are called -----.
  - (B) Living organisms that feed on dead animals is called -----.
  - (C) Ozone layer protects us from -----rays.
  - (D) The habitat of organism that lives in water is called -----.
  - (E) Birds are adapted for ----- mode of life.
- Q25. What are amphibians? Give and example.

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