

EXERCISE - I

UNSOLVED PROBLEMS

- Q.1** Define adaptation?
- Q.2** What Is the difference between climate and weathers? Which of these two changes frequently?
- Q.3** Explain the aquatic adaptation.
- Q.4** Which features adapt polar bear to live in extremely cold climate?
- Q.5** Explain, with examples, why we find animals of certain kind living in particular climatic conditions.

Exercise - II

OLYMPIAD PROBLEMS

- Q.1** During extreme aridity, Desert rat
(A) stores water
(B) uses metabolic water
(C) saves water
(D) does not use water
- Q.2** Which trait is not helpful to a fish in adaptation?
(A) Streamlined body
(B) Large pupils of the eyes
(C) Gills
(D) Beautiful colour of the body
- Q.3** Hibernation, migration of suitable places and insulation of the body by fur or feathers are characteristics of
(A) polar animals
(B) animals of temperate regions
(C) animals of tropical regions
(D) animals of equatorial regions.
- Q.4** The organism that lives on land but requires aquatic habitat to lay eggs is
(A) frog (B) camel
(C) Hydra (D) snake
- Q.5** Camel is best adapted to desert habitat as
(A) it can drink 50 liters of water at a time which is evenly distributed in all its tissues.
(B) it excretes very small amount of water during urination .
(C) it can regulate its body temperature at a wider range
(D) all are correct
- Q.6** Change in colour of some organisms according to the background, to protect themselves is called
(A) mimicry (B) moulting
(C) camouflage (D) none of these
- Q.7** In aerial animals the forelimbs are modified into
(A) wings (B) hind limbs
(C) body (D) air -chambers
- Q.8** Which features adapt polar bears to live in extremely cold climate?
(A) A white fur, fat below skin, keen sense of smell.
(B) Thin skin, large eyes, a white fur.
(C) A long tail, strong claws, white large paws.
(D) White body, paws for swimming, gills for respiration.

- Q.9** Xeric environment is characterised by
(A) precipitation
(B) low atmospheric humidity
(C) extremes of temperature
(D) high rate of vapourisation
- Q.10** The xerophytic plants do not have
(A) sunken stomata
(B) needle like leaves or no leaves
(C) air cavities in stems
(D) very long roots.
- Q.11** Root system in hydrophytes is
(A) Fully Developed
(B) Partially Developed
(C) Absent
(D) None of above
- Q.12** Hibernation means
(A) Long sleep during winter
(B) Short sleep during winter
(C) Short sleep during summer
(D) long sleep during summer
- Q.13** The delicate, flexible and thin stem is the characteristic feature of:
(A) mesophytes (B) hydrophytes
(C) halophytes (D) Xerophytes
- Q.14** Animal not found in polar region is :
(A) Polar bear (B) Penguin
(C) Seal (D) Elephant
- Q.15** Plants grow on burnt soil called as:
(A) Pyrophilous (B) Sciophytes
(C) Lithophytes (D) Heliophytes
- Q.16** Negative geotropic breathing roots present in:
(A) Halophytes (B) Hydrophytes
(C) Xerophytes (D) Mesophytes

ANSWER KEY

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|------------|---|------------|---|------------|---|------------|---|
| 1. | A | 2. | D | 3. | A | 4. | A |
| 5. | D | 6. | C | 7. | A | 8. | A |
| 9. | C | 10. | C | 11. | B | 12. | A |
| 13. | B | 14. | A | 15. | A | 16. | A |