

Living Organisms and their Habitats

Practice Exercise

1. Which among the following is a non-flowering plant/tree?
 (a) Mango (b) Peepal
 (c) Fern (d) Petunia
 (e) None of these

2. Match the following:

Column A		Column B	
(i)	Herb	(A)	Henna
(ii)	Shrub	(B)	Pea
(iii)	Creeper	(C)	Bottle gourd
(iv)	Climber	(D)	Cabbage

- (a) (i - C), (ii - A), (iii - D), (iv - B)
 (b) (i - D), (ii - B), (iii - A), (iv - C)
 (c) (i - C), (ii - B), (iii - D), (iv - A)
 (d) (i - D), (ii - A), (iii - C), (iv - B)
 (e) None of these

3. Which of the following is not a primary function of root?
 (a) Anchor the plant to the soil.
 (b) Absorb water and minerals from the soil.
 (c) Gives colour to leaves.
 (d) Prevents soil erosion.
 (e) None of these

4. Gulmohar is an example of:
 (a) Shrub (b) Herb
 (c) Tree (d) Creeper
 (e) None of these

5. Which of the following plants have tap root system?
 (a) Wheat (b) Barley
 (c) Grass (d) Turnip
 (e) None of these

6. A stem modification which has fibrous roots.
 (a) Beetroot (b) Ginger
 (c) Radish (d) Turnip
 (e) None of these

7. Which among the following has reticulate venation?
 (a) Plants in which seeds having single cotyledon.
 (b) Plants in which seeds having two cotyledons.
 (c) Plants having tap roots.
 (d) Both (b) and (c)
 (e) None of these

8. In plant like grapevine weak stems are modified to form ____ to support weak stems.
 (a) Spines (b) Tendrils
 (c) Bulbs (d) Flowers
 (e) None of these

9. Which among the following is not an underground stem?
 (a) Ginger (b) Potato
 (c) Sweet potato (d) Garlic
 (e) None of these

10. A stalk which joins a flower to the stem is:
 (a) Pedicel (b) Thalamus
 (c) Pollen grain (d) Stamen
 (e) None of these

11. Lamina is:
 (a) Upper part of pedicel which is wide.
 (b) A part of stem.
 (c) Is a type of venation.
 (d) Broad, flat, green portion of the leaf.
 (e) None of these

12. Which among the following is not a part of carpel?
 (a) Stigma (b) Filament
 (c) Style (d) Ovary
 (e) None of these

13. Plants with fibrous roots have
 (a) Reticulate venation in leaves
 (b) Parallel venation in leaves
 (c) Both (a) and (b)
 (d) Either (a) or (b) (e) None of these

14. Male part of the flower does not consist:
 (a) Ovule (b) Anther
 (c) Filament (d) All the above
 (e) None of these
15. _____ is the wider uppermost part of pedicel.
 (a) Filament (b) Stalk
 (c) Thalamus (d) Petal
 (e) None of these
16. A narrow stalk, through which lamina is attached to the stem:
 (a) Leaf blade (b) Petal
 (c) Petiole (d) Vein
 (e) None of these
17. Which among the following plants have parallel venation in their leaves?
 (a) Wheat (b) Mustard
 (c) Orange (d) Tamarind
 (e) None of these
18. What is the other name of leaf blade?
 (a) Petiole (b) Lamina
 (c) Vein (d) Stalk
 (e) None of these
19. Dust like particles in the stamen of a flower:
 (a) Sepals (b) Pollen grains
 (c) Ovules (d) Petals
 (e) None of these
20. A main vein present in the centre of lamina, through which large number of veins spread out is called:
 (a) Midrib (b) Petiole
 (c) Lamina (d) Thalamus
 (e) None of these
21. Which among the following is both producer and carnivorous?
 (a) Neem (b) Peepal
 (c) Sundew (d) Mango
 (e) None of these
22. Which of the following statements is correct?
Statement 1: Living things include producers, consumers and decomposers.
Statement 2: Living things are biotic components of environment.
- (a) Statement 1 is correct and statement 2 is incorrect.
 (b) Statement 2 is correct and statement 1 is incorrect.
 (c) Both (a) and (b)
 (d) Either (a) or (b)
 (e) None of these
23. Hot and dry place with scarcity of water is a characteristic of which habitat?
 (a) Grassland habitat (b) Marine habitat
 (c) Coastal habitat (d) Xeric habitat
 (e) None of these
24. _____ are microscopic plants living in water.
 (a) Microorganisms (b) Phytoplanktons
 (c) Zooplanktons (d) Xerophytes
 (e) None of these
25. Breathing activity is a part of which of the following bio-chemical process?
 (a) Photosynthesis (b) Digestion
 (c) Respiration (d) Excretion
 (e) None of these
26. Desert animals survive in the scorching heat by:
 (a) Their streamlined body.
 (b) The thick layer of fur on their body.
 (c) Digging deep burrows to live.
 (d) All the above
 (e) None of these
27. Which among the following aquatic plants has the large and flat leaves with a waxy coating?
 (a) Tape grass (b) Water lily
 (c) Vallisneria (d) Hydrilla
 (e) None of these
28. Which of the following is not a characteristic of a desert plant?
 (a) Leaves are either absent or present in the form of spines.
 (b) Photosynthesis is usually carried out by the green stem.
 (c) Roots are small and do not penetrate deep under the soil.
 (d) All the above
 (e) None of these

29. Match the following:

Column A		Column B	
(i)	Mountain habitat	(A)	Reindeer
(ii)	Desert habitat	(B)	Mangrove
(iii)	Coastal habitat	(C)	Oak
(iv)	Tundra habitat	(D)	Cactus

- (a) (i-D), (ii-A), (iii-B), (iv-C)
- (b) (i-C), (ii-A), (iii-D), (iv-B)
- (c) (i-C), (ii-D), (iii-B), (iv-A)
- (d) (i-B), (ii-D), (iii-A), (iv-C)
- (e) None of these

30. Leaves which have grooves allow water to drip easily and prevent rotting of leaves.

- (a) Drain tips
- (b) Dig tips
- (c) Drip tips
- (d) Drag tips
- (e) None of these

31. Animal living in a habitat, which is covered by snow throughout the year.

- (a) Xerocole
- (b) Hydrocole
- (c) Tundra animal
- (d) Grassland animal
- (e) None of these

32. Aestivation is an adaptation for:

- (a) Escaping extreme cold weather
- (b) Escaping extreme hot weather
- (c) Loss of water
- (d) Preventing loss of water
- (e) None of these

33. Which of the following sets represents the abiotic components of a habitat?

- (a) Plants, animals, air, water
- (b) Air, rocks, animals, soil
- (c) Air, water, rocks, soil
- (d) Animals, plants, microbes, soil
- (e) None of these

34. All living things respond to ____.

- (a) Sound
- (b) Touch
- (c) Stimuli
- (d) Smell
- (e) None of these

35. The surroundings where an animal lives is called a/an ____.

- (a) Adaptation
- (b) Ecology
- (c) Habitat
- (d) Stimulus
- (e) None of these

36. Submerged leaves can bend in flowing water due to:

- (a) Spongy bodies.
- (b) Broad and plate like leaves.
- (c) Narrow, thin and ribbon-like leaves.
- (d) All the above
- (e) None of these

37. Which of the following is a prey?

- (a) Lion
- (b) Tiger
- (c) Deer
- (d) Polar bear
- (e) None of these

38. Hydrilla is an example of:

- (a) Floating plant
- (b) Fixed plant
- (c) Submerged plant
- (d) Mountain plant
- (e) None of these

39. Microscopic animals living in water are called:

- (a) Ecosystem
- (b) Zooplanktons
- (c) Phytoplanktons
- (d) Hydrophytes
- (e) None of these

40. Desert plants have either small leaves or have only spines to:

- (a) Perform photosynthesis.
- (b) Prevent the loss of water.
- (c) Absorb more sunlight.
- (d) Release more water into environment.
- (e) None of these

Answer Key

1. C	2. D	3. C	4. C	5. D
6. B	7. D	8. B	9. C	10. A
11. D	12. B	13. B	14. A	15. C
16. C	17. A	18. B	19. B	20. A
21. C	22. C	23. D	24. B	25. C
26. C	27. B	28. C	29. C	30. C
31. C	32. B	33. C	34. C	35. C
36. C	37. C	38. C	39. B	40. B