

**FORESTS: OUR LIFELINE****Exercise – 1****Multiple Choice Questions**

**DIRECTIONS:** The following questions have four choices (a), (b), (c) and (d) out of which only one is correct. You have to choose the correct alternative.

1. The branchy part of a tree above the stem is called:-  
(a) canopy (b) hub  
(c) crown (d) shrub
2. Find the missing link  
Grass → insect → frog → \_\_\_\_\_ → eagle  
(a) snake (b) peacock  
(c) crow (d) lion
3. A forest consists of  
(a) animals  
(b) plants  
(c) floor converted with dead and decaying matter  
(d) All of the above
4. Micro organisms produce \_\_\_\_\_ by acting upon the dead plants.  
(a) wood (b) humus  
(c) mushrooms (d) sand
5. Identify the wrong statement.  
(a) soil helps forests to grow and regenerate  
(b) forests influence climatic and water cycle.  
(c) forest protect the soil from erosion  
(d) plants and animals in a forest are not dependent on each other.
6. Forests are also called  
(a) green lungs (b) red kidney  
(c) brown heart (d) black skin
7. Floods can be controlled by  
(a) constructing pits  
(b) forests  
(c) constructing temporary shelters  
(d) By allowing water to flow into sea.
8. Mushrooms eat \_\_\_\_\_  
(a) rice (b) wax  
(c) humus (d) wheat
9. Which of the following is not a forest product?  
(a) Gum (b) sealing wax  
(c) play wood (d) kerosene
10. If forests disappear  
(a) Amount of  $CO_2$  in air will decrease  
(b) Amount of  $CO_2$  in air will increase  
(c) Amount of  $O_2$  in air will increase  
(d) Amount of  $N_2$  in air will increase
11. Disappearance of forests will lead to increase in amount of carbon dioxide in air. It is likely to result in  
(a) Eutrophication (b) Global warming  
(c) Deforestation (d) Afforestation.
12. Which of the following is incorrect?  
(a) The tropical rain forests support a wide variety of plants and animals.  
(b) We find animals such as ape, bird Toucan, red eyed frogs etc in the regions of tropical rain forests.  
(c) The temperature range in the areas of tropical rain forests is 15-40°C.  
(d) None of the above is incorrect.
13. Select the chain that contains primary consumers.  
(a) Bird, rabbit, elephant  
(b) Grass, parrot, snake  
(c) Snake, hawk, tiger  
(d) Bacteria, fungi, viruses
14. Select the one that is not a forest product.  
(a) gum (b) plywood  
(c) sealing wax (d) kerosene
15. Micro-organisms act upon dead plants to produce  
(a) sand (b) mushrooms  
(c) humus (d) wood.
16. An animal which feeds on dead organisms is a  
(a) scavenger  
(b) first level carnivore  
(c) second level carnivore  
(d) parasite
17. Some herbs and plants that were used in ancient times for making drugs and are even now used

for the same purpose. Which of the following is not one of these?

- (a) Marigold
- (b) Foxglove
- (c) Belladonna
- (d) The plant of castor oil.

**18.** A tree species in Mauritius failed to reproduce because of extinction of a fruit eating bird. The bird was

- (a) Condor
- (b) Dodo
- (c) Dove
- (d) Skua

**19.** Select the country that is the largest producer of fuel wood in the world.

- (a) India
- (b) China
- (c) Russia
- (d) Indonesia

**20.** The cricket bats are made out of wood of which of the following?

- (a) Sal
- (b) Rose wood
- (c) Teak
- (d) Willow

**21.** The correct arrangement in the order from upper layers to lower layer in forests is

- (a) trees, Shrubs, herbs, vegetation.
- (b) vegetation, herbs, shrubs, trees.
- (c) trees, herbs, shrubs, vegetation.
- (d) vegetation, shrubs, herbs, trees.

**22.** Which of the following animals live in deeper areas of forests?

- (a) Boar
- (b) Bison
- (c) Elephant
- (d) All of these

**23.** Choose the correct statement.

- (a) Trees have crowns of different sizes and different types.
- (b) Trees have crowns of same sizes and different types.
- (c) Trees have crowns of different sizes and same type.
- (d) None of the above is correct.

**24.** In the forests there is interaction between.

- (a) soil and water only
- (b) air and living organism only
- (c) soil, water, air and living organisms.
- (d) none of the above is correct

**25.** Forests protect soil from

- (a) eutrophication
- (b) erosion
- (c) both of these
- (d) none of these

**26.** In India the area under forest cover is about ..... of the total area?

- (a) 10%
- (b) 11%
- (c) 20%
- (d) 21%

**27.** In the absence of plants/trees/forests

- (a) Global warming will be caused.
- (b) Animals will not get food and shelter.
- (c) Floods will be caused
- (d) All the above are correct.

**28.** Humus is

- (a) a dark coloured substance
- (b) a white coloured substance
- (c) a light coloured substance
- (d) none of the above is correct.

**29.** The micro-organisms that convert the dead plants and animals to humus are known as

- (a) primary consumers
- (b) decomposers
- (c) predators
- (d) none of these

**30.** Plants release oxygen through

- (a) transpiration
- (b) food chain
- (c) photosynthesis
- (d) none of these

**31.** Weathering and erosion of Earth's crust are primarily caused by

- (a) gravity
- (b) volcanic activity
- (c) evaporation
- (d) sedimentation

**32.** Earth's weather is primarily caused by the

- (a) drifting of Earth's crustal plates
- (b) gravitational attraction of the Moon
- (c) uneven heating of Earth's surface
- (d) changing distance between Earth and the Sun

**33.** A food chain consists of

- (a) producers only
- (b) producers and consumers
- (c) consumers only
- (d) decomposers only

**34.** In a food chain the first link is a green plant because they are

- (a) widely distributed
- (b) fixed at one place in soil
- (c) photosynthetic
- (d) more in number

35. Ecosystem means  
 (a) organisms reacting with one another  
 (b) a community of organisms together with the environment in which they live  
 (c) Abiotic components  
 (d) Earth and its atmosphere
36. Which of the following sets represents primary consumers?  
 (a) goat, rabbit, horses (b) insects, snails  
 (c) deers, giraffes, cows (d) All of these
37. Ecosystem has two components. They are  
 (a) plants and animals  
 (b) living and non-living  
 (c) frogs and man  
 (d) trees and fungi
38. When we destroy a forest we destroy  
 (a) Food and shelter of wild animals  
 (b) an ecosystem  
 (c) Plant life  
 (d) population of wild life
39. Which of the following play a very important role in causing rainfall?  
 (a) vehicles (b) animals  
 (c) factories (d) plants
40. Which of the following produce food?  
 (a) Saprotroph (b) autotrophs  
 (c) Heterotrophs (d) Herbivores

#### Match the column

**DIRECTIONS:** Match column I with column II and select the correct answers using the code given below the columns

41.

Column-I	Column-II
(a) Crown of a tree	(i) Understory's
(b) Canopy	(ii) Branchy part of a tree above the stem.
(c) Decomposers	(iii) Green lungs.
(d) Forests	(iv) Mushrooms

- (a) (a) → (i), (B) → (ii), (C) → (iii), (D) → (iv)  
 (b) (a) → (ii), (B) → (i), (C) → (iii), (D) → (iv)  
 (c) (a) → (ii), (B) → (i), (C) → (iv), (D) → (iii)  
 (d) (a) → (i), (B) → (ii), (C) → (iv), (D) → (iii)

42.

Column-I	Column-II
(a) Herbivore	(p) vulture
(b) Omnivore	(q) deer
(c) Decomposer	(r) Bacteria
(d) Scavenger	(s) bear

- (a) (a) → (s), (B) → (q), (C) → (p), (D) → (r)  
 (b) (a) → (q), (B) → (s), (C) → (p), (D) → (r)  
 (c) (a) → (q), (B) → (s), (C) → (r), (D) → (p)  
 (d) (a) → (r), (B) → (p), (C) → (s), (D) → (q)

43.

Column-I	Column-II
(a) Crown	(p) Branches of tall trees forming a roof in a forest
(b) Understory	(q) Plants that climb an other trees
(c) canopy	(r) different horizontal layers in forests
(d) Creepers	(s) Branchy part of tree above the stem

- (a) (a) → (r), (B) → (q), (C) → (p), (D) → (s)  
 (b) (a) → (s), (B) → (r), (C) → (p), (D) → (q)  
 (c) (a) → (q), (B) → (p), (C) → (s), (D) → (r)  
 (d) (a) → (p), (B) → (s), (C) → (r), (D) → (q)

44.

Column-I	Column-II
(a) producer	(p) animals
(b) consumer	(q) sun
(c) decomposer	(r) plants
(d) source of energy	(s) bacteria, fungi

- (a) (a) → (q), (B) → (r), (C) → (p), (D) → (s)  
 (b) (a) → (r), (B) → (p), (C) → (s), (D) → (q)  
 (c) (a) → (s), (B) → (q), (C) → (r), (D) → (p)  
 (d) (a) → (p), (B) → (s), (C) → (q), (D) → (r)

#### Passage Based Questions

**DIRECTIONS:** Read the passage (s) given below and answer the questions that follow.

#### Passage – 1

Forests are a useful natural resource for us. Forests serve as green lungs and water purifying systems in nature. Forests provide shelter to many animals, birds and insects. Many animals like boar, bison, jackal elephant live in the deeper areas of forests. And forests protect us from droughts and floods.

45. Rajendra Singh, nicknamed the "water man" is a pioneer in the field of water conservation, his main area of activities being drought prone western Rajasthan. He was awarded a prize for his work in 2001. Which of the following awards did he receive?  
 (a) Raman Magsaysay award for community leadership  
 (b) BharatRatna  
 (c) PadmaShree  
 (d) Nobel Peace prize.
46. Which of the following is a source of food and shelter for animals, birds and insects?  
 (a) Uppermost layer  
 (b) Lowest layer of vegetation  
 (c) Different layers of vegetation  
 (d) None of these.
47. Which of the following is correct for forests?  
 (a) They are a useful man made resource.  
 (b) They are a useful natural resource.  
 (c) Both the above are correct.  
 (d) None of these is correct.

### Passage – 2

The forest floor provides favorable conditions for seed produced by trees to germinate and develop into seedlings and saplings. Some grow into trees. The branchy part of a tree above the stem is known as crown. The branches of the tall trees look like a roof over the other plants in the forest. This is called canopy

48. All the seeds in forests develop into  
 (a) bushes (b) grasses  
 (c) tall trees (d) none of these
49. The branchy part of a tree above the stem is known as  
 (a) trunk (b) tusker  
 (c) crown (d) canopy
50. The branches of tall trees that look like a roof over the other plants in the forest are called  
 (a) trunk (b) roof of tree  
 (c) crown (d) canopy

### Passage – 3

Mushrooms and other micro-organisms that live in the soil feed upon dead plant and animal tissues and are known as decomposers. These micro-organisms play an important role in forests. The humus, a dark coloured substance,

is produced by decomposers. A layer of humus is found if we remove some dead leaves from the soil in forests. The presence of humus ensures that nutrients from dead plants and animals are released into the soil.

51. When the nutrients are recycled in forests,  
 (a) There is no wastage in forests  
 (b) The nutrients are again absorbed by the roots of living plants.  
 (c) Both the above are correct  
 (d) None of the above is correct.
52. Mushroom  
 (a) can be seen under a hand lens over decaying leaves  
 (b) can be seen under a hand lens over the leaves of living plants  
 (c) both the above are correct  
 (d) none of these is correct
53. Humus  
 (a) is a dark coloured substance.  
 (b) is produced by micro-organisms.  
 (c) is produced by decomposers.  
 (d) all the above are correct.
54. Temperature at place 'A' is high most of the time. Place 'A' also has a heavy rainfall on must of the days. The climate of 'A' is  
 (a) hot (b) hot and dry  
 (c) hot and wet (d) none of these

### Assertion/ Reason Based Questions

**DIRECTIONS:** The questions in this segment consists of two statements, one labeled as "Assertion A" and the other labeled as "Reason R". You are to examine these two statements carefully and decide if the Assertion A and Reason R are individually true and if so, whether the reason is a correct explanation of the assertion. Select your answers to these items using codes given below.

- (a) Both A and R are true and R is the correct explanation of A.  
 (b) Both A and R are true but R is not the correct explanation of A.  
 (c) A is true but R is false.  
 (d) A is false but R is true.
55. Assertion (A): A Food chain will never begin if there are no green plants.  
 Reason (R): Green plants produce food by the process of photosynthesis.

56. Assertion (A): Deforestation destroys an ecosystem  
Reason (R): A forest is cleared to cultivate crops
57. Assertion (A): Loss of top soil is called soil erosion  
Reason (R): Heavy rains and deforestation causes loss of soil.
58. Assertion (A): Forests do not influence the climate and water cycle.  
Reason (R): Forests do not bring rain

### Statement Based Questions

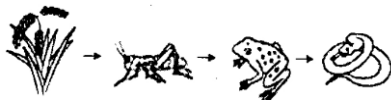
**DIRECTIONS:** Read the following two statements carefully and choose the correct options.

- (a) Statement (i) is correct while statement (ii) is incorrect.  
(b) Statement (ii) is correct while statement (i) is incorrect.  
(c) Both statements are correct.  
(d) Both statements are incorrect. \_\_\_\_\_
59. (i) In an ecosystem, number of producers should be more than consumers.  
(ii) Number of decomposers should be large.
60. (i) The branchy part of a tree is canopy  
(ii) Shrubs and short trees form a crown.
61. (i) Ecosystem means a community of organisms living together with the environments.  
(ii) Sun is the ultimate source of energy

### Figure Based Questions

**DIRECTIONS:** Carefully observe pictures given below and answer the following questions.

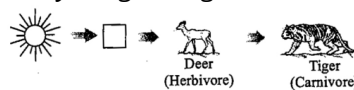
(Q. 62-63) Look at the following diagram and answer the following questions.







62. What does the diagram represent?  
(a) life cycle of frog (b) an ecosystem  
(c) a food chain (d) a population
63. Name the producer  
(a) grass (b) frog

- (c) snake (d) grasshopper

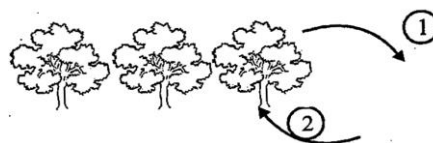
64. Study the given figure.



What should come in the empty box?

- (a)  (b) 
- (c)  (d) 

- 65.



What could arrow 1 and 2 represent in the above diagram?

- (a) Oxygen, nitrogen  
(b) carbon dioxide, oxygen  
(c) oxygen, carbon dioxide  
(d) energy, water

## Exercise – 2

### Multiple Choice Questions

**DIRECTIONS:** The following questions has four choices (a), (b), (c) and (d) out of which only one is correct. You have to choose the correct alternative.

1. Soil erosion can easily occur due to  
(a) rain or floods  
(b) high velocity winds  
(c) deforestation  
(d) All of these
2. A food chain will not begin in the absence of  
(a) bacteria  
(b) fungi  
(c) green plants  
(d) animals
3. Which of the following is a canopy?  
(a) shrubs  
(b) short trees  
(c) tall trees  
(d) None of these
4. In an ecosystem, the population of  
(a) secondary consumers is large  
(b) primary consumers is large  
(c) decomposers is large  
(d) producers is large than consumers
5. Which of the following convert the dead plants and animals to humus?  
(a) chemicals  
(b) scavengers  
(c) Decomposers  
(d) Consumers
6. Which of the following is called green lungs?  
(a) green colored lungs  
(b) Lungs with green alga  
(c) Lungs in green colored animals  
(d) Forests
7. Which of the following feed upon dead plant and animal tissues?  
(a) Spirogyra  
(b) Chlorella  
(c) Mushroom  
(d) Chlamydomonas
8. Vultures and jackals are  
(a) herbivores  
(b) Carnivores  
(c) Scavengers  
(d) Decomposers
9. Greenhouse effect causes  
(a) melting of ice caps  
(b) rising of sea levels  
(c) submerging of low lying areas  
(d) All of these
10. Highest quantity of energy occurs in the  
(a) primary producers  
(b) herbivores  
(c) carnivores  
(d) decomposers
11. Which of the following is called as dynamic living entity?  
(a) oceans  
(b) forests  
(c) villages  
(d) cities
12. Which of the following binds the soil together?  
(a) Rocks  
(b) Trees  
(c) Layers of soil  
(d) Water
13. Forests help  
(a) to prevent diseases  
(b) to prevent rainfall  
(c) to prevent floods  
(d) in soil erosion
14. If plants stop releasing oxygen into the atmosphere which of the following might happen?  
(a) Number of plants will increase  
(b) Number of animals will increase  
(c) Animals will die  
(d) Plants will become healthier
15. The air we breathe out contains more  
(a) oxygen  
(b) carbon dioxide  
(c) water  
(d) dust particles
16. Which of the following leads to the destruction of ecosystem?  
(a) Soil erosion  
(b) deforestation  
(c) Both (a) and (b)  
(d) Neither (a) nor (d)
17. Loss of top soil is called \_\_\_\_  
(a) corrosion  
(b) erosion  
(c) washing  
(d) denudation
18. Animals that depend upon food produced by autotrophs are called  
(a) herbivores  
(b) carnivores  
(c) saprophyte  
(d) heterotrophs
19. Which of the following process is responsible for release of carbon dioxide by the animals?  
(a) digestion  
(b) respiration  
(c) photosynthesis  
(d) reproduction
20. Which of the following provides nutrients to the seedlings to grow in forests?  
(a) bacteria  
(b) fungi  
(c) decaying animal dung  
(d) Beetles and grubs

### Match the Column

**DIRECTIONS:** Match Column I with column II and select the correct answers using the code given below the columns

21.

Column-I	Column-II
(a) Autotroph	(p) mushroom
(b) Saprotroph	(q) bacteria
(c) Decomposer	(r) non green plants & animals
(d) Heterotroph	(s) green plants

- (a) (a) → (s), (B) → (p), (C) → (q), (D) → (r)  
 (b) (a) → (p), (B) → (s), (C) → (r), (D) → (q)  
 (c) (a) → (r), (B) → (q), (C) → (p), (D) → (s)  
 (d) (a) → (s), (B) → (p), (C) → (r), (D) → (q)

22.

Column-I	Column-II
(a) Photosynthesis	(p) release of $\text{CO}_2$
(b) Respiration	(q) forest, ocean
(c) Ecosystem	(r) release of $\text{O}_2$
(d) Deforestation	(s) cutting of trees

- (a) (a) → (p), (B) → (r), (C) → (p), (D) → (s)  
 (b) (a) → (p), (B) → (r), (C) → (s), (D) → (q)  
 (c) (a) → (r), (B) → (p), (C) → (s), (D) → (q)  
 (d) (a) → (r), (B) → (p), (C) → (q), (D) → (s)

### Passage Based Questions

**DIRECTIONS:** Read the passage (s) given below and answer the questions that follow.

#### Passage – 1

Plants and animals are interdependent on each other. Plants give out oxygen which animals take in during respiration.

23. By observing the interdependence we can say that  
 (a) Someday all the  $\text{O}_2$  will be used up by animals.  
 (b) Someday all the  $\text{CO}_2$  will be used up by plants  
 (c) The amount of  $\text{O}_2$  is increasing and that of  $\text{CO}_2$  is decreasing in our atmosphere.  
 (d) The level of  $\text{O}_2$  and  $\text{CO}_2$  in the atmosphere is kept constant.

24. Plants and animals help in maintaining the balance of  
 (a) water and soil  
 (b) green plants and insects  
 (c) oxygen and carbon dioxide  
 (d) minerals and oxygen
25. What will happen if more plants are cut?  
 (a) animals will die  
 (b) less  $\text{CO}_2$  will be released  
 (c) number of animals will increase  
 (d) nothing will happen

#### Passage – 2

Deforestation began by clearing forests so that crops could be grown. Forests serve as water purifier system in nature. Forests are good source of plants, we should not destroy the forests.

26. What is a forest?  
 (a) a big area  
 (b) an ecosystem  
 (c) trees  
 (d) a place where animals live
27. Forests prevent \_\_\_\_\_  
 (a) soil erosion (b) rain  
 (c) flood (d) Both (a) and (c)
28. Which of the following activities cause destruction of ecosystem?  
 (a) deforestation (b) A forestation  
 (c) Cultivation (d) none of these

### Assertion/Reason Based Questions

**DIRECTIONS:** The questions in this segment consists of two statements, one labelled as "Assertion A" and the other labelled as "Reason R". You are to examine these two statements carefully and decide if the Assertion A and Reason R are individually true and if so, whether the reason is a correct explanation of the assertion. Select your answers to these items using codes given below.

- (a) Both A and R are true and R is the correct explanation of A.  
 (b) Both A and R are true but R is not the correct explanation of A.  
 (c) A is true but R is false.  
 (d) A is false but R is true.
29. Assertion (A): Different layers of vegetation are a source of food and shelter for animals, birds and insects \_

Reason (R): The animals like boar, bison, Jackals and elephants live in deeper areas of forests.

- 30.** Assertion (A): All animals depend ultimately on plants for food.  
Reason (R): Organisms which feed on plants afterwards get eaten by other organisms and soon.
- 31.** Assertion (A): When an animal dies in the forest, it becomes food for vultures, crows Jackals and insects.  
Reason (R): There is no waste in forests.
- 32.** Assertion (A): In an ecosystem all food chains are linked.  
Reason (R): There are many food chains in an ecosystem.

### Statement Based Questions

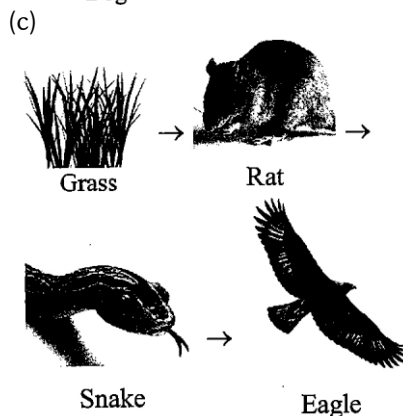
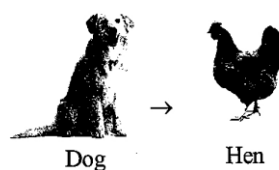
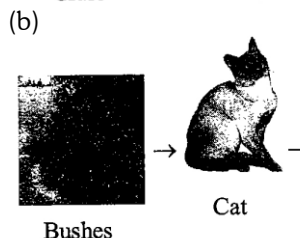
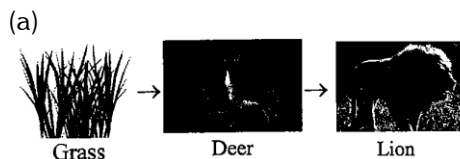
**DIRECTIONS:** Read the following two statements carefully and choose the correct options.

- (a) Statements (i) and (iii) are incorrect but (ii) is correct.  
(b) Statements (i) and (ii) are incorrect but (iii) is correct.  
(c) All statements are correct.  
(d) All statements are incorrect.
- 33.** (i) Forests act as water purifier  
(ii) Forests act as air purifier  
(iii) Forests provide food and shelter to animals
- 34.** (i) Forests provide medicines, timber etc  
(ii) Forests maintain moisture  
(iii) Forests prevent soil erosion
- 35.** (i) Forests cause droughts  
(ii) Forests cause floods  
(iii) Forests cause rainfall
- 36.** (i) Trees form the middle layer in a forest  
(ii) Trees have crowns of same size  
(iii) There are no creepers and climbers in a forest.

### Figure Based Questions

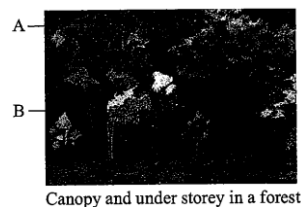
**DIRECTIONS:** Carefully observe pictures given below and answer the following questions.

- 37.** Which of the following is not a correct food chain?



- (d) All the above are not correct

(Qs.38 and 39): Look at the following picture of canopy and understory in a forest and answer the following question



- 38.** Look at the above diagram. In this diagram A shows.  
(a) canopy      (b) crown  
(c) understorey      (d) none of these
- 39.** In this diagram B shows.  
(a) canopy      (b) crown  
(c) understorey      (d) none of these



## Hints & Solutions

### Exercise – 1

#### Multiple Choice Questions

1. (c)
  2. (a)
  3. (d)
  4. (b)
  5. (d)
  6. (a)
  7. (b)
  8. (c)
  9. (d)
  10. (b)
  11. (b) Increase in carbon dioxide will result in global warming.
  12. (c)
  13. (a) It is the correct chain that contains primary consumers.
  14. (d) It is not a forest product.
  15. (c) They produce humus.
  16. (a) It is a scavenger.
  17. (a)
  18. (b) It is Dodo.
  19. (a) India.
  20. (d)
  21. (a)
  22. (d)
  23. (a)
  24. (c)
  25. (b) It protects soil from erosion.
  26. (d) It is about 21%.
  27. (d)
  28. (a) It is a dark coloured substance.
  29. (b) They are called decomposers.
  30. (c) They release oxygen through photosynthesis.
  31. (b)
  32. (c)
  33. (b)
  34. (c)
  35. (b)
  36. (d)
  37. (b)
  38. (b)
  39. (d)
  40. (b)
- #### Match the Column
41. (c)
  42. (c)
  43. (b)
  44. (b)
- #### Passage based Question
45. (a)
  46. (c)
  47. (b)
  48. (d)
  49. (c)

50. (d)  
 51. (c)  
 52. (a)  
 53. (d) Decomposers are micro-organisms which convert the dead plants and animals to humus, which is a dark coloured substance.

54. (c)

#### Assertion/Reason Based Questions

55. (a)  
 56. (b)  
 57. (a)  
 58. (d)

#### Statement Based Questions

59. (c)  
 60. (d)  
 61. (c)

#### Figure Based Questions

62. (c)  
 63. (a)  
 64. (c) A plant traps the energy of the sun and is the starting link in a food chain.  
 65. (c) Plants give out  $O_2$  and animals give out  $CO_2$

### EXERCISE – 2

#### Multiple Choice Questions

1. (d)  
 2. (c)  
 3. (c)  
 4. (c)  
 5. (c)

6. (d) Forests maintain the balance of  $O_2$  and  $CO_2$  in the atmosphere. Hence they are called green lungs.

7. (c)

8. (c)

9. (d)

10. (a)

11. (b)

12. (b)

13. (c)

14. (c)

15. (b)

16. (c)

17. (b)

18. (a)

19. (b)

20. (c)

#### Match the Column

21. (a)

22. (d)

#### Passage Based Questions

23. (d)

24. (c)

25. (a) Animals will die due to lack of  $O_2$

26. (b)

27. (d)

28. (a)

### **Assertion/Reason Based Questions**

**29.** (b) Both correct. Reason (R) is not correct explanation of Assertion (A)

**30.** (b)

**31.** (b)

**32.** (b)

### **Statement Based Questions**

**33.** (c)

**34.** (c)

**35.** (b)

**36.** (d)

### **Figure Based Questions**

**37.** (b)

**38.** (a) It shows canopy.

**39.** (c)