



**RAMAGYA SCHOOL, NOIDA**  
V/SCIENCE/2017-18  
OLYMPIAD PRACTICE WORKSHEET

1. Which of the following parts of a plant take part in sexual reproduction?

- (i) Flower
- (ii) Seed
- (iii) Fruit
- (iv) Branch

Choose the correct answer from below.

- (a) (i) and (ii)
- (b) (i), (ii) and (iii)
- (c) (iii) and (iv)
- (d) (ii), (iii) and (iv)

2. Lila observed that a pond with clear water was covered up with green algae within a week. By which method of reproduction did the algae spread so rapidly?

- (a) Budding
- (b) Sexual reproduction
- (c) Fragmentation
- (d) Pollination

3. Seeds of drumstick and maple are carried to long distances by wind because they possess

- (a) Winged seeds
- (b) Large and hairy seeds
- (c) Long and ridged fruits
- (d) Spiny seeds

4. The 'eye' of the potato plant is what

- (a) The root is to any plant.
- (b) The bud is to a flower.
- (c) The bud is to *Bryophyllum* leaf.
- (d) The anther is to stamen.

5. The ovaries of different flowers may contain

- (a) Only one ovule
- (b) Many ovules
- (c) One to many ovules
- (d) Only two ovules

6. Which of the following statements is/are true for sexual reproduction in plants?

- (i) Plants are obtained from seeds.
- (ii) Two plants are always essential.
- (iii) Fertilisation can occur only after pollination.
- (iv) Only insects are agents of pollination.

Choose from the options given below.

- (a) (i) and (iii)
- (b) (i) only
- (c) (ii) and (iii)    (d) (i) and (iv)

7. Pollination refers to the

- (a) Transfer of pollen from anther to ovary.
- (b) Transfer of male gametes from anther to stigma.
- (c) Transfer of pollen from anther to stigma.
- (d) Transfer of pollen from anther to ovule.

8. Which of the following does not show water shortage?

- (a) Taps running dry.
- (b) Long queues for getting water.
- (c) Marches and protests for demand of water.
- (d) A family gets three buckets of water per person per day.

9. Seas and oceans are full of water on earth. However, a very small percentage of water present on earth is available for us. This percentage is roughly

- (a) 0.006%.
- (b) 0.06%.
- (c) 0.6%.
- (d) 6%.

10. Which of the following are not the liquid forms of water?

- (i) Snow
- (ii) Lake water
- (iii) River water
- (iv) Water vapour
- (v) Ice

Choose the correct combination from the options below.

- (a) (i), (iv) and (v)
- (b) (i) and (ii)
- (c) (ii) and (iii)
- (d) (iv) only

11. A man digging the ground near a water body found that the soil was moist. As he kept digging deeper and deeper he reached a level where all the spaces between particles of soil and gaps between rocks were filled with water. The upper limit of this layer is called

- (a) Water level.
- (b) Water table.
- (c) Ground water.
- (d) Water limit.

12. Which of the following is a way to use water economically?

- (a) Construction of bawris
- (b) Rainwater harvesting
- (c) Drip irrigation
- (d) Infiltration

13. On which of the following day is World Water Day observed?

- (a) 22 March
- (b) 14 November
- (c) 2 October
- (d) 21 December

14. The amount of water recommended by the United Nations for drinking, washing, cooking and maintaining proper hygiene per person per day is a minimum of

- (a) 5 litres
- (b) 15 litres
- (c) 30 litres
- (d) 50 litres

15. "Every Drop Counts" is a slogan related to

- (a) counting of drops of any liquid.
- (b) Counting of water drops.
- (c) Importance of water.
- (d) Importance of counting.

16. Water cycle does not involve which of the following?

- (a) Evaporation
- (b) Condensation
- (c) Formation of clouds
- (d) Rainwater harvesting

17. Which of the following inhibits the seepage of rainwater into ground?

- (a) A pukka floor
- (b) Playground
- (c) Grass lawn
- (d) Forest land

18. Out of the given definitions, which is the most appropriate definition of climate?

- (a) Changes in weather conditions in a year.
- (b) Average weather pattern of many years.
- (c) Change in weather pattern in a few years.
- (d) Weather conditions during summer.

19. Which of the following briefly describes the desert climate?

- (a) Hot and humid
- (b) Dry and humid
- (c) Hot and dry
- (d) Hot and wet

20. Which of the following statement is incorrect for penguins?

- (a) They huddle together
- (b) they cannot swim
- (c) they have webbed feet
- (d) They have streamlined body