



K.P.C PUBLIC SCHOOL, KHARGHAR
ASSESSMENT III - 2023-24

GRADE: VII
SUBJECT: SCIENCE

MARKS :50
TIME: 2 HRS

General Instructions: This question paper comprises five sections A, B, C, D and E.

All questions are compulsory.

SECTION – A

(This section carries 1 mark each and comprises of :)

A] Tick the correct answer

B] Fill in the blanks

C] True or false

A] Tick (✓) the correct answer:

(1 x 10=10)

1. Which among the following is a physical change?

- (a) Cutting a log of wood in small pieces (b) Burning of wood
(c) Ripening of fruit (d) Cooking of food

2. Which of the following is not the name of a tree?

- (a) Teak (b) Sal (c) Porcupine (d) Kachnar

3. Which of the following is not prepared from the wood obtained from forest?

- (a) Paper (b) Thermocol (c) Matchsticks (d) Plywood

4. The given table lists some plants and their reproductive structures.

Plants	Reproductive structures
Bean plant	Seeds
X	Spores
Garlic	Y

What should be at X and Y?

- (a) X-Moss, Y - Spores
(b) X- Pineapple, Y - Corms
(c) X-Fern, Y – Bulbs
(d) X-Moss, Y – Rhizome

5. What will happen if carbon dioxide gas is passed through lime water?

- (a) Calcium carbonate is formed (b) The lime water turns milky
(c) Both of these (d) None of these

6. In which of the following plants buds are present on the margins of leaves?

- (a) Bryophyllum (b) Touch me not (c) Chandan (d) Coriander

7. The table shows the area under forest in two different regions.

Region	Forest Area (in acres)
A	35000
B	42300000

Which region will be more prone to flood, and why?

- (a) Region A as it will have lesser number of trees so more raindrops can hit the ground directly.
- (b) Region B as it will have a greater number of trees that will prevent the seepage of rainwater into the ground.
- (c) Region A as it will have lesser number of trees that will allow rainwater to seep rapidly into the ground.
- (d) Area B as it will have a greater number of trees that will provide more area for raindrops to hit ground directly.

8. The ovaries of different flowers may contain.

- (a) only one ovule (b) many ovules (c) one to many ovules (d) only two ovules

9. Arrange the following components of a food chain in proper sequence-grass, frog, eagle, insects, snake.

- (a) Grass → insects → frog → snake → eagle.
- (b) Grass → snake → insects → frog → eagle.
- (c) Grass → snake → eagle → insects → frog.
- (d) All are possible

10. While performing an activity in lab, Roshil dissolved sugar in water and observed the change (Change 1). His friend Shobhit took a little sugar in a spatula and directly heated it on a Bunsen burner flame (Change 2). Which of the following is correct regarding changes 1 and 2?

- I. Change 1 is a physical change.
- II. A new substance is formed during change 2.
- III. Changes 1 and 2, both are reversible.
- IV. Change 1 is reversible while change 2 is irreversible.

- (a) I only (b) II and III only (c) I, II and IV only (d) III and IV only

B] Fill in the blanks:

(1 x 7 = 7)

11. Changes in which new substances are formed are called _____ changes.
12. A flower may have either male or female reproductive parts. Such a flower is called _____.
13. The fruits are ripened _____.
14. The chemical name of baking soda is _____.
15. Forests protect the _____ from erosion.
16. Buds in potato are also called _____.
17. Branchy part of a tree above the stem is known as the _____ of the tree.

C] True or False:

(1 x 7 = 7)

18. Anther contains female gametes called eggs.
19. Forests are the lifeline for the forest-dwelling communities.

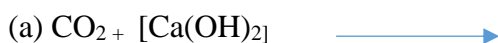
20. Iron and rust are the same substances.
21. The salt obtained by evaporation is pure.
22. Fusion of male and female gametes is called pollination.
23. Different layers of vegetation provide food and shelter for animals, birds and insects.
24. Formation of manure from leaves is a physical change.

SECTION - B

(This section comprises of Short Answer Type Question carrying 2 marks each.)

(2x 3 =6)

25. Why are forests called green lungs?
26. Pick out the odd one out from the following on the basis of mode of reproduction and give reason for it:
Sugarcane , Potato , Rice , Rose
27. Complete the following equation:



SECTION – C

(This section comprises of Short Answer Type Question carrying 3 marks each.)

(3 X 3 =9)

28. Draw a sketch of a flower and label its reproductive parts. (Label any four parts).
29. Define the following terms:
(a) Crystallisation (b) physical change (c) Galvanisation
30. Describe the consequences of deforestation.

SECTION – D

(This section comprises of Long Answer Type Question carrying 5 marks each.)

(5 x 1 = 5)

31. What is rusting? How do we prevent rusting?

(OR)

31. What is pollination? Explain the differences between self-pollination and cross-pollination

SECTION – E

(This section comprises of case study based / data based questions carrying 1 marks each.)

(1x6= 6)

32. Observe the following figure and answer the following questions:

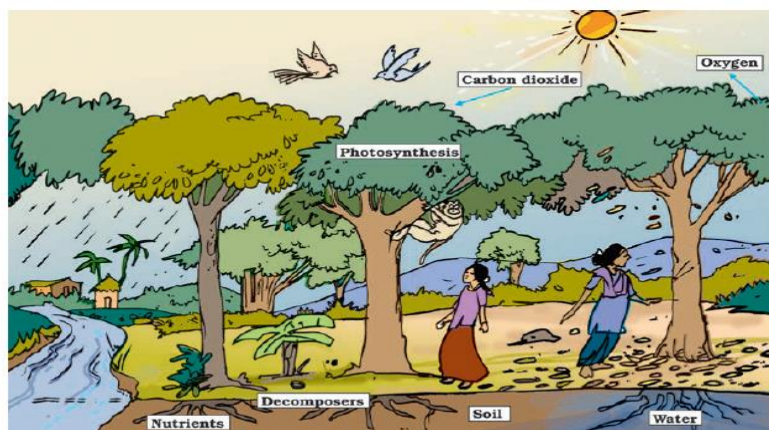


Fig. 17.1

- (i) Why there is no waste in the forest? (1)
- (ii) How are plants dependent on humans? (1)
- (iii) If we remove one component , say trees, all other components would be affected. True/ false (1)

33. Read the passage and answer the following questions:

Seeds and fruits of plants are carried away by wind, water and animals. Winged seeds such as those of drumstick and maple, light seeds of grasses or hairy seeds of aak(*Madar*) and hairy fruit of sunflower, get blown off with the wind to faraway places. Some seeds are dispersed by water. These fruits or seeds usually develop floating ability in the form of spongy or fibrous outer coat in coconut. Some seeds are dispersed by animals, especially spiny seeds with hooks which get attached to the bodies of animals and are carried to distant places. Examples are *Xanthium* and *Urena*. Some seeds are dispersed when the fruits burst with sudden jerks. The seeds are scattered far from the parent plant. This happens in the case of castor and balsam.

- (i) Seeds and fruits of plants are carried away by which of the following factors? (1)
(a) Wind (b) Water (c) Animal (d) All
- (ii) Winged seeds are transported to faraway places by winds , is it true or false? (1)
- (iii) Which type of seed or fruit develop floating abilities? (1)
