

Sanskar Indian Public School

Subject: Science

Annual Examination

session – 2024-25

Time: 3 Hours

Class: 7th

M.M. – 100

Instructions: It is compulsory to solve all the questions.

Question 1: Choose the Correct Option

10

1. The reproductive part of a plant is its:

(1) Leaf (2) Stem (3) Root (4) Flower

2. The process of fusion of male and female gametes is called:

(1) Fertilization (2) Pollination (3) Reproduction (4) Seed Formation

3. Upon maturation, the ovary develops into:

(1) Seed (2) Stamen (3) Pistil (4) Fruit

4. An organism that produces spores is:

(1) Rose (2) Bread Mold (3) Potato (4) Ginger

5. Bryophyllum reproduces through which part?

(1) Leaf (2) Stem (3) Flower (4) Root

Question 2: Match the Following

10

- Bud - Maple
- Eye - Spirogyra
- Fragmentation - Yeast
- Spore - Bread Mold
- Tubers - Potato, Rose

Question 3: Fill in the Blanks

10

1. The process of producing new plants from vegetative parts is called ____.
2. Flowers that have either male or female reproductive organs are called ____ flowers.
3. The transfer of pollen grains to the stigma of another flower is called ____.
4. The fusion of male and female gametes is called ____.
5. Seed dispersal occurs through ____ and ____.

Question 4: True/False

10

1. An electromagnet does not attract magnetic materials.
2. An electric bell contains an electromagnet.
3. A fuse melts and breaks when excessive current flows.

4. Plants release CO₂ gas.
5. Hemoglobin gives blood its red color.

Question 5: Answer the Following

10

1. What is a stoma?
2. Name the components of blood.
3. What happens if blood lacks platelets?
4. Which type of mirror forms a real image?
5. What is a decomposer?
6. List products obtained from forests.

Question 6. Explain how forests help in preventing floods.

3

Question 7. What is the role of forests in maintaining the balance of O₂ and CO₂ in the atmosphere?

3

Question 8. Draw a labeled diagram of a fish.

3

Question 9. Why should oil and fats not be disposed of in drains?

3

Question 10. Name two chemicals used to disinfect water.

3

Question 11. State one use of concave and convex mirrors.

3

Question 12. Explain the process of sexual reproduction in plants.

4

Question 13. Draw a labeled diagram of a leaf.

4

Question 14. Describe different methods of asexual reproduction.

4

Question 15. Draw a labeled diagram of a clock.

4

Question 16. Draw a labeled diagram of the human excretory system.

5

Question 17. Draw diagrams of self-pollination and cross-pollination

(5 marks)

OR

Explain the difference between self-pollination and cross-pollination.

Question 18. Explain budding in yeast with a labeled diagram

(5 marks)

OR

Draw a labeled diagram of stamen and pistil.