

**SYLLABUS : TRANSPORTATION IN PLANTS AND ANIMALS, REPRODUCTION IN PLANTS, WEATHER, CLIMATE AND ADAPTATION OF ANIMALS, FABRIC FROM FIBRE****GENERAL INSTRUCTIONS : Draw Diagrams with Pencils.**

- All questions are compulsory. **Maximum Marks are 60.**
- The question paper consists of 24 Questions.
- **Section – A** : Question 1 to 6 are 1 mark each.
- **Section – B** : Question 7 to 12 are 2 marks each.
- **Section – C** : Question 13 to 18 are 3 marks each.
- **Section – D** : Question 19 to 24 are 4 marks each.

**SECTION A : (1 × 6 = 6)**

1. Define transpiration.
2. \_\_\_\_\_ help in clotting of blood.
3. Define fertilization.
4. After fertilization \_\_\_\_\_ becomes the fruit.
5. Define sericulture
6. Differentiate between weather & climate.

**SECTION B : (2 × 6 = 12)**

7. Mention any four adaptations that have helped the polar bear to survive in the Polar Region.
8. Mention two adaptive features of a penguin that help it in swimming
9. State any two functions of the blood.
10. Define vegetative reproduction.
11. How is self pollination different from cross pollination.
12. Describe pollination and name some pollinators.

**SECTION C : (3 × 6 = 18)**

13. 'The tropical rainforest has a large pollination of animals.' Explain why it is so?
14. Draw a neat and well labelled diagram of the human excretory system.
15. State the functions of the three types of blood vessels.
16. Draw a well labelled diagram to describe the parts of a flower.
17. How is silk fibre obtained from cocoon?
18. Briefly explain the transport of water and minerals in plants.

**SECTION D : (4 × 6 = 24)**

19. Describe, in brief, the function of heart.
20. Describe the four types of reproduction in plants.
21. Describe any 4 elements of weather.
22. Describe the process of making wool from fleece.
23. How are fruits formed?
24. Mention any 4 animals of tropical rain forest & describe their adaptations.