CLASS – XI BIOLOGY ASSIGNMENT 18 MORPHOLOGY OF PLANTS

Q1. What is the origin of root in plants? Write 4 functions of roots.

Q2. What type of roots are found Monstera and banyan tree?

Q3. What are the two types of roots in plants? Why do we call roots of monocots as fibrous roots?

Q4. Draw diagrams of Tap & fibrous roots, regions of root tip.

Q5. Explain how the roots grow is length?

Q6. Give examples of plants having prop roots, still roots and pneumatophores.

Q7. What is the function of above categories of roots?

Q8. In some plants stem does not perform the main function of photosynthesis. Give examples of such plants.

Q9. How does chrysanthemum & pineapple grow?

Q10. Draw structure of a typical simple leaf.

Q11. Define the following terms: - (a) Rachis (b) Tendrils (c) Spines (d) Petiole (e) Pulvinus

Q12. How is a pinnately compound leaf different from a palmate compound leaf?

Q13. What type of succession is seen is racemose inflorescence?

Q14. What happens to the terminal end of inflorescence in cymose inflorescence? Draw to explain.

Q15. A flower is said to be zygomorphic, tetramerous, bracteates, bisexual, hypogenous. What do you understand by these terms?

Q16. What type of ovary is present in guava & cucumber? Draw a diagram.

Q17. Androecium is composed of stamens, how are the stamens of flower arranged in different flowers.

Q18. Enumerate various types of placentation in flowers.

Q19. Differentiate between seed of gram & maize. Also draw well labeled diagrams.

Q20. Taking a flower of potato & pea, explain the floral structures (description) and the floral formula.