

INDIAN SCHOOL NIZWA  
BIOLOGY-WORKSHEET -3  
CH.5 MORPHOLOGY OF FLOWERING PLANTS

DATE: \_\_\_\_\_ NAME: \_\_\_\_\_ CLASS: XI

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1. Differentiate the tap root system from fibrous root system.
2. Explain the various regions of root with the help of neat labeled diagram.
3. What are the adventitious roots?
4. Explain the various types of root modifications with the help of examples.
5. Explain the various types of stem modifications with the help of examples.
6. Differentiate a. Reticulate and Parallel venation. b. Simple and Compound leaves. c. Pinnately and Palmately compound leaves. d. Racemose and Cymose inflorescences. e. Unisexual and Bisexual flowers f. Actinomorphic and Zygomorphic flowers. g. Hypogynous, Perigynous and Epigynous flowers h. Superior and Inferior ovaries.
7. What is Phyllotaxy? Explain the various types of Phyllotaxy.
8. Explain the various types of leaf modifications.
  - a. Unisexual and Bisexual flowers. b. Actinomorphic and Zygomorphic flowers. c. Hypogynous, Perigynous and Epigynous flowers
9. Define Aestivation. Explain the various types of aestivations in flower.
- 10 Describe the various parts of a flower.
13. What is staminode?
14. Differentiate monoadelphous, diadelphous and polyadelphous stamens.
15. Define Placentation. Explain the various types of placentation seen in plants.
16. What are Parthenocarpic fruits?
17. Explain the structure of dicot and monocot seed with the help of neat labeled diagrams.