

SAINIK SCHOOL GOPALGANJ
ASSIGNMENTS
BIOLOGY

Chapter 05 : Morphology of Flowering Plants
General Instructions

Class: XI

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1. All questions are compulsory.
 2. Question 1 to 10 is multiple choice questions.
 3. Question 11 to 15 is short answer questions.
 4. Question 16 to 20 is long answer questions
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1. The morphological nature of the edible part of a coconut is
 - a) Cotyledon
 - b) Perisperm
 - c) Pericarp
 - d) Endosperm
2. _____ are the non-essential parts of a flower
 - a) Androecium and gynoecium
 - b) Sepals and carpels
 - c) Sepals and petals
 - d) Sepals and gynoecium
3. Four long and two short stamens are found in
 - a) Asteraceae
 - b) Brassicaceae
 - c) Liliaceae
 - d) Solanaceae
4. Radial symmetry is found in the flowers of
 - a) Cassia
 - b) Pisum
 - c) Trifolium
 - d) Brassica
5. The stem modified into flat, green organs performing the function of leaves
 - a) Phyllodes
 - b) Cladodes
 - c) Phylloclades
 - d) Scales
6. Leaves become modified into spines in
 - a) Opuntia
 - b) Onion
 - c) Silk cotton
 - d) Pea
7. Geocarpic fruits are formed in
 - a) Onion
 - b) Carrot
 - c) Groundnut

- d) Watermelon
8. Testa of seed develops from
 - a) Hilum
 - b) Funicle
 - c) Ovary wall
 - d) Outer integument
 9. Veins of the leaves are useful for
 - a) Mechanical support
 - b) Transport of water and minerals
 - c) Transport of organic nutrients
 - d) All of the above
 10. Placenta and pericarp are edible portions in
 - a) Potato
 - b) Banana
 - c) Tomato
 - d) Apple
 11. Differentiate between actinomorphic and zygomorphic flower.
 12. What are the main functions of root? Explain
 13. What is a true fruits? Write the significance of fruit formation in plants.
 14. Draw the floral formula and floral diagram of solanaceae.
 15. Potato is a stem and sweet potato is a root .Justify the statement.
 16. What is placentation? Describe its various types.
 17. What is aestivation? Describes its various types found in petals.
 18. To which family pulses belong? Write the economic importance of that family.
 19. Describe the various parts of an angiosperm plant with a labeled diagram.
 - 20."Leaves are modified into tendril, spine, scale, phyllode, pitcher and bladder to perform special function". Illustrate the statement with suitable examples and diagrams.