

Time : 1 hour 15 Minute

STD 11 Science Biology
Chapter Based Test

Total Marks : 40

SECTION A

* **Choose The Right Answer From The Given Options.[1 Marks Each] [5]**

1. Juicy hair-like structures observed in the lemon fruit develop from:
(A) Mesocarp and endocarp. (B) Exocarp.
(C) Mesocarp. (D) Endocarp.
2. The embryo in sunflower has:
(A) One cotyledon. (B) Two cotyledons.
(C) Many cotyledons. (D) No cotyledon.
3. What happens when stomata opens?
(A) Water and Potassium exit from the guard cell.
(B) Water enters the guard cell and Potassium exits from it.
(C) Water exits from guard cell and Potassium enters it.
(D) Water and Potassium enter the guard cell.
4. Which is correct pair for edible part?
(A) Tomato — Thalamus. (B) Maize — Cotyledons.
(C) Guava — Mesocarp. (D) Date palm — Pericarp.
5. The petiole is swollen and spongy in.
(A) Nepenthes. (B) Trapa.
(C) Clematis. (D) All of the above.

* **Answer The Following Questions In One Sentence.[1 Marks Each] [6]**

6. Name two plants of Fabaceae that yield each of the following:
 - a. Edible oil and.
 - b. Foddera.
7. Why is the corolla of Solanum described as gamopetalous?
8. Can xylem be called a permanent tissue? Why or why not?
9. In a typical leaf what kind of cells are usually present in mesophyll?
10. How superior and inferior ovaries are indicated by symbol?
11. Why is a flower of Cassia described as Zygomorphic?

SECTION B

* **Given Section consists of questions of 2 marks each. [10]**

1. Define the following terms:
Placentation.
2. Define the following terms:
Actinomorphic.
3. Explain Collenchyma.
4. Differentiate between.
Stamen and staminoid.
5. Differentiate between.
Pollen and pollenium.

SECTION C

* **Given Section consists of questions of 3 marks each.** [9]

1. Write the differences between spike and spadix.
2. Which structures form gynoecium? How is placenta related to gynoecium? What are its types?
3. Write the description of gynoecium in various plants.

SECTION E

* **Given Section consists of questions of 5 marks each.** [10]

1. Describe the arrangement of floral members in relation to their insertion on thalamus.
2. Take one flower each of the families Fabaceae and Solanaceae and write its semi-technical description. Also draw their floral diagram after studying them.



॥ ज्ञानं एव श्रमस्य पुंजः ॥