



Quality Checkers  
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XI-SCI : Biology  
Morphology of Flowering Plant,

DATE:

TIME: 1 hour 30  
minutes

MARKS: 25

SEAT NO:

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**Note:-**

1. All Questions are compulsory.
2. Numbers on the right indicate full marks.

**Section A**

**Q.1 Select and write the correct answer.**

**(4)**

1. Type of placentation in which ovules are placed on the fused margin of unilocular ovary.  
A) Basal      B) Parietal  
C) Marginal      D) None of the above
2. Identify the root system in maize plants  
A) Clinging      B) Stilt  
C) Climbing      D) Prop
3. In ....., haustoria penetrate vascular strand and suck food from Phloem, water and minerals from xylem.  
A) Jussiaea repens      B) Cuscuta reflexa  
C) Both (a) & (b)      D) None of the above.
4. When the anthers are united and filaments are free it is called .....  
A) syngeny      B) epipetal  
C) monadelphly      D) polyadelphly

**Q.2 Answer the following.**

**(3)**

1. What are metamorphosed roots?
2. Find out the difference between hydrophytes and xerophytes.
3. Define Root cap.

**Section B**

**Attempt any Four**

- Q.3 Write a note on epicalyx. **(2)**
- Q.4 Write note on Vexillary aestivation. **(2)**
- Q.5 Describe the runner of aquatic plant **(2)**
- Q.6 Write a note on prop root. **(2)**
- Q.7 Write a note on fasciculated tuberous roots. **(2)**
- Q.8 Write notes on Stolon. **(2)**

**Section C**

**Attempt any Two**

- Q.9 Describe thorn. **(3)**

- Q.10 Draw a neat labelled floral diagram of Datura plant and write down its floral formula. (3)
- Q.11 What is a fruit? (3)

**Section D**  
**Attempt any One**

- Q.12 Describe the structure of a root in detail. (4)
- Q.13 Write an account on the various modifications of leaves. (4)