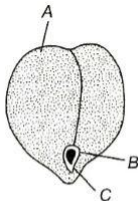


Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 1

Topic :- Morphology of Flowering Plants

- Which of the following are not characteristic features of Fabaceae?
 - Tap root system, compound leaves and raceme inflorescence
 - Flowers actinomorphic, twisted aestivation and gamopetalous
 - Stamens ten, introrse, basifixed and dithecal
 - Monocarpellary, ovary superior and bent stigma
- When the floral appendages are in multiple of 3, 4, 5, they are respectively called
 - Trimerous, tetramerous, pentamerous
 - Penatmerous, tetramerous, trimerous
 - Tripinnate, tetrapinnate, pentapinnate
 - Tetrapinnate, tripinnate, pentapinnate
- The type of leaf in *Daucus carota* is
 - Simple
 - Bipinnate
 - Tripinnate
 - Decompound
- Most advanced fruit is
 - Cypsela
 - Caryopsis
 - Pome
 - Etario of drupe
- Identify *A*, *B* and *C* in the given diagram

 - A-Seed coat, B-Micropyle, C-Hilum
 - A-Seed coat, B-Hilum, C-Micropyle
 - A-Hilum, B-Seed coat, C-Micropyle
 - A-Micropyle, B-Seed coat, C-Hilum
- Pedicel of flower is called
 - Thalamus
 - Receptacle
 - Both (a) and (b)
 - Either (a) or (b)
- A tree that has strong erect stem with hollow internodes and solid nodes, is known as
 - Caudex
 - Deliquescent
 - Scape
 - Culm
- Identify the correct order (root) from base to root apex
 - Mineral absorption zone
 - Soil penetration zone

III. Cell number increase zone

V. Cell elongation zone

- a) II, I, IV, III b) I, II, III, IV c) IV, III, II, I d) III, IV, I, II

9. Study the following statements and choose the correct option.

I. Buds are present in the axil of leaflets of the compound leaf.

II. Pulvinus leaf-base is present in some leguminous plants.

III. In *Alstonia*, the petioles expand, become green and synthesize food.

IV. Opposite phyllotaxy is seen in guava.

- a) II and IV are correct but I and III are wrong
b) I and III are correct but II and IV are wrong
c) I and IV are correct but II and III are wrong
d) II, III and IV are correct but I is wrong

10. The number of stomata present per cm² of a leaf is

- a) 1000 b) Less than 100 c) One million d) None of these

11. Which one of the following series includes the orders Ranales, Parietals and Malvales?

- a) Bicarpellatae b) Thalamiflorae c) Calyciflorae d) Disciflorae

12. Which pair of the following plants represents the condition of modification of stipules into spines?

- a) *Euphorbia* and *Ziziphus* b) *Citrus* and *Euphorbia*
c) *Ziziphus* and *Bougainvillea* d) *Bougainvillea* and *Citrus*

13. Amla belongs to family

- a) Labiatae b) Fabaceae c) Solanaceae d) Euphorbiaceae

14. The leaves are modified into tendrils, hook, pitcher and bladder in the following plants respectively

- a) Sweet pea, cat's nail, *Nepenthes*, *Utricularia* b) Sweet pea, cat's nail, *Utricularia*, *Nepenthes*
c) *Nepenthes*, cat's nail, sweet pea, *Utricularia* d) *Nepenthes*, sweet pea, cat's nail, *Utricularia*

15. Fruits are formed in

- a) *Brassica* b) *Fern* c) *Cycas* d) *Funaria*

16. Hypanthodium inflorescence is found in

- a) *Ficus* b) Tulsi c) *Cedrus* d) *Calotropis*

17. I. Bear leaves and branches

II. Conduction of water and minerals

III. Storage of food

These are the functions of

- a) Root b) Stem c) Leaves d) Root cap
18. Tulip belong to family
 a) Asteraceae b) Liliaceae c) Brassicaceae d) Malvaceae
19. The floral formula is of $\text{Br} \bullet \oplus \underset{\text{♀}}{\text{P}}_{(3+3)} \text{A}_{3+3} \text{G}(3)$ belongs to plant
 a) *Allium cepa* b) Sunflower c) *Cucurbita* d) *Brassica*
20. Which of the following is not a characteristic feature of Fabaceae?
 a) Descendingly imbricate, ten stamens, diadelphous, ovary superior
 b) Sepals five, gamosepalous, imbricate aestivation, placentation marginal
 c) Monocarpellary, ovary superior, style long, slightly bent at the apex
 d) Corolla, five petals, polypetalous, anterior one large and outermost

PE