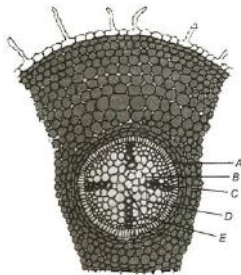


Topic :- Anatomy Of Flowering Plants

1. Which of the following statements are true?
I. Uneven thickening of cell wall is characteristic of sclerenchyma.
II. Periblem forms the cortex of the stem and the root.
III. Tracheids are the chief water transporting elements in gymnosperms.
IV. Companion cell is devoid of nucleus at maturity.
V. The commercial cork is obtained from *Quercus suber*.
- a) I and IV b) II and V c) III and IV d) II, III and V
2. Which of the above following are simple tissues?
I. Parenchyma
II. Collenchyma
III. Sclerenchyma
- a) I and II b) II and III c) I and III d) I, II and III
3. Non-articulated laticifers are found in
- a) *Nerium* b) *Papaver* c) *Hevea* d) *Achras*
4. I. Epidermal cells
II. Stomata
III. Trichomes
IV. Root hairs
These are the attributes of
- a) Epidermal tissue system b) Ground tissue system
c) Fundamental tissue system d) Vascular tissue system
5. The large empty and colourless cells present at intervals on the upper surface of grass leaf are called
- a) Bulliform cells b) Palisade parenchyma
c) Spongy parenchyma d) Accessory cells
6. Velamen is found in
- a) *Vanda* b) *Rosa* c) *Viscum* d) *Santalum*

7. The functions of sieve tubes are controlled by
 a) Cytoplasm of sieve tube cells b) Nucleus of sieve tube cells
 c) Nucleus of companion cells d) Cytoplasm of companion cells
8. Which of the following have sunken stomata?
 a) *Nerium* b) *Mangifera* c) *Hydrilla* d) *Zea mays*
9. The meristem, in which the cells divide in several planes is
 a) Plate meristem b) Rib meristem c) Mass meristem d) Lateral meristem
10. Cambium activity is highest in
 a) Autumn b) Spring c) Winter d) Rain
11. During the formation of primary plant body specific regions of apical meristem produces
 a) Dermal tissue b) Ground tissue c) Vascular tissue d) All of these
12. Vascular bundle, in which two patches of phloem are present on both sides of xylem is
 a) Collateral b) Bicollateral c) Concentric d) Radial
13. Vascular bundle with cambium is called
 a) Closed b) Open c) Exarch d) Endarch
14. Compound sieve plates are found in
 a) *Cucurbita* b) *Vitis* c) *Magnolia* d) *Corchorus*
15. From evolutionary point of view, tracheids and sieve cells are more primitive than tracheae and sieve tubes respectively. The angiosperms have
 a) Tracheae and sieve tubes b) Tracheids, tracheae and sieve tubes
 c) Tracheae, sieve cells and sieve tubes d) Tracheids, tracheae and sieve cells
16. I. Phloem transports the food materials usually from the leaves to other parts of the plant
 II. Phloem in the angiosperm is composed of sieve tube elements, companion cells, phloem parenchyma and phloem fibres
 Identify which of the following statement is correct and select the correct option
 a) I and II are correct b) I and II are incorrect
 c) I is correct, but II is incorrect d) II is correct, but I is incorrect
17. The outermost layer of dicotyledonous root is called
 a) Cortex b) Epidermis c) Cambium d) Periderm

18. Identify A to E in the given diagram



- a) A-Endodermis, B-Pericycle, C-Protoxylem, D-Metaxylem, E-Pith
 b) A-Endodermis, B-Pericycle, C-Protoxylem, D-Pith, E-Metaxylem
 c) A-Endodermis, B-Pericycle, C-Pith, D-Protoxylem, E-Metaxylem
 d) A-Endodermis, B-Pith, C-Pericycle, D-Protoxylem, E-Metaxylem

19. Choose the wrong statement from the following

- a) Axillary/terminal bud develops from apical meristem
 b) Merismatic activity occurs at stem apex/root apex
 c) Permanent tissues are produced by primary and secondary meristem
 d) None of the above

20. I. It is resistant to microorganisms

II. It comprises dead elements

III. It comprises highly lignified cell wall

IV. It is the peripheral part

V. It is dark and tough

Which of the above property doesn't belong to heart wood?

a) I and II

b) Only IV

c) Only V

d) III and I