

Topic :- Anatomy Of Flowering Plants

- Tracheids
 - Are the dominant cell types of xylem in angiosperms
 - Are primarily found in mosses and liverworts
 - Are responsible for water conduction and support in many land plants
 - First appeared during Palaeozoic era
- Usually cortex of stem is formed the during secondary growth of the stem
 - It is a couple of layer thick
 - It is made up of thin walled rectangular cellsSelect the incorrect statements
 - I and II
 - II and III
 - I and III
 - None of these
- Jute is mainly composed of
 - Xylem
 - Secondary bast fibre
 - Phloem
 - Cortex
- Which of the following cells are studied during translocation of solutes?
 - Sieve tube cells
 - Companion cells
 - Phloem fibre
 - Xylem fibre
- Stelar regions are formed from
 - Periblem
 - Plerome
 - Dermatogen
 - Tunica
- Casparian strips are present in the of the root.
 - Epiblema
 - Cortex
 - Pericycle
 - Endodermis
- Cork cambium gives rise to
 - Phellogen and secondary cortex
 - Phellogen, phelloderm and secondary cortex
 - Cork and phellogen
 - Cork and secondary cortex
- Simple sieve plate with single perforation is present in
 - Cucurbita*
 - Prunus*
 - Pyrus*
 - Vitis*
- Root caps are absent in
 - Mesophytes
 - Xerophytes
 - Hydrophytes
 - Lithophytes

10. Which cells possess chloroplast and regulate the opening and closing of stomata?
a) Cuticle cell b) Stomatal cell c) Guard cell d) Subsidiary cell
11. Bamboo and grasses elongate by the activity of
a) Secondary meristem b) Lateral meristem c) Apical meristem d) Intercalary meristem
12. At maturity, the sieve plates become impregnated with
a) Cellulose b) Pectin c) Suberin d) Callose
13. Cells of collenchyma have thickened corners due to the deposition of
a) Cellulose b) Hemicellulose c) Pectin d) All of these
14. Complex tissues are
a) Made up of more than one kind of cells
b) Xylem and phloem
c) Both (a) and (b)
d) None of the above
15. In a vascular bundle, if xylem vessels develop in a centripetal fashion, the xylem is likely to be
a) Mesarch b) Centrarch c) Endarch d) Exarch
16. In monocot roots, which type of vascular bundles are found?
a) Collateral, conjoint and closed b) Radial with exarch xylem
c) Bicollateral, conjoint and closed d) Radial with endarch xylem
17. All the tissues on the innerside of the endodermis constitutes together to form
a) Vascular bundle b) Conjunctive tissue c) Pith d) Stele
18. The cork is impervious to water due to
a) Lignin deposition in the cell wall
b) Compactness of cell
c) Suberin deposition in the cell wall
d) All of the above
19. I. Vascular tissue
II. Cork cambium
III. Xylem and phloem elements
IV. Parenchyma and sclerenchyma
Choose the correct combination for heterogenous tissue
a) I and II b) II and IV c) II and III d) Only III

20. Vascular bundle having phloem at the centre encircled by xylem is known as
a) Bicollateral b) Conjoint collateral c) Amphivasal d) Amphicribal

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