

**Topic :-Anatomy Of Flowering Plants**

- Medullary or pith ray is the
  - Radial strip of parenchyma which is present between vascular bundles
  - Radial strip of collenchyma which is present between vascular bundles
  - Radial strip of sclerenchyma which is present between vascular bundles
  - The another name of stele
- Which of the function in the given options does not belongs to the monocot root?
  - Conduction of water from the root hairs to the inner tissue
  - Storage of food
  - The outer most layer or layers of the cortex produce protective exodermis in the older roots
  - Presence of secondary growth
- Conjoint vascular bundles are common in
  - Roots
  - Stems
  - Leaves
  - Both (b) and (c)
- Periderm is produced from
  - Cork cambium
  - Procambium
  - Secondary cortex
  - Vascular cambium
- In stem, the xylem is
  - Exarch
  - Mesarch
  - Endarch
  - All of these
- Root apical meristem is derived from the
  - Plumule part of embryo
  - Scutellum part of embryo
  - Radical part of embryo
  - Endosperm part of embryo
- Which of the following plants shows multiple epidermis?
  - Croton*
  - Allium*
  - Nerium*
  - Cucurbita*

8. The growth of root and stem in length with the help of apical meristem is called ...A.... Apart from primary growth most dicotyledonous plant exhibit an increase in girth called ...B... Choose the correct combination of A, B and C in respect to the above paragraph
- a) A-primary growth; B-secondary growth      b) A-secondary growth; B-primary growth  
c) A-secondary growth; B-tertiary growth      d) A-primary growth; B-tertiary growth
9. Which of the following statement is correct?
- a) Study of the internal structure is called anatomy  
b) Plants have cells as the basic unit cells, are organised into tissues  
c) Tissues are organised into organs  
d) All of the above
10. In monocotyledonous stem, the vascular bundles are
- a) Conjoint and open  
b) Conjoint and closed  
c) Scattered through out the ground tissue  
d) Both (b) and (c)
11. Select the wrong statements
- I. Primary and secondary phloem gets crushed during secondary growth  
II. During secondary growth, primary xylem remains more or less intact
- a) I is correct and II is incorrect      b) II is correct and I is incorrect  
c) Both are incorrect      d) Both are correct
12. I. Fat  
II. Protein  
III. Sugar  
IV. Salt
- Which of the above is/are present in higher concentration with the meristematic cells?
- a) Only I      b) I and II      c) Only IV      d) III and IV
13. G H Shull observed inbreeding depression in a plant. Miller and Letham isolated a hormone from the immature seeds of that plant. Which of the following characters is not associated with the plant?
- a) Atactostelic condition in stem  
b) Bundle sheath in leaf  
c) Chromosomal number of endospermous cell is 30  
d) Medulla absent in the root
14. The position of protoxylem in leaf is
- a) Adaxial      b) Abaxial  
c) Surrounded by metaxylem      d) Lateral

15. The inner, darker and harder portion of secondary xylem that cannot conduct water, in an older dicot stem, is called  
a) Alburnum                      b) Bast                              c) Wood                              d) Duramen
16. The cells arranged in multiple layers between the epidermis and pericycle is called  
a) Pith                              b) Stele                              c) Medullary rays                      d) Cortex
17. Hardness of seed coats is due to the presence of  
a) Sclerenchymatous fibres                              b) Sclereids  
c) Bast                              d) Stone cells
18. Epidermis is derived from  
a) Cambium                      b) Primary xylem                      c) Secondary xylem                      d) Protoderm
19. The activity of cambium in plants is under the control of  
a) Many physiological factors  
b) Many environmental factors  
c) Only water availability  
d) Both (a) and (b)
20. Bark includes  
I. phellogen  
II. phellem  
III. secondary phloem  
IV. secondary xylem  
Select the correct combination  
a) Only I                      b) I, II and III                      c) Only III                      d) All of these

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