DPP
DAILY PRACTICE PROBLEMS

Class : XIth **Subject : BIOLOGY**
Date : **DPP No. : 3**

Topic :-Anatomy Of Flowering Plants

1. Initiation of lateral roots and vascular cambium during secondary growth organs occurs due to activity of
   a) Endodermis b) Pericycle c) Casparian strip d) Periderm

2. I. Sunflower seed
   II. A wheat leaf
   III. Pea plant
   IV. Leaf blade of grass
   Bulliform cells are present in which of the above plants?
   a) I and II b) II and III c) III and IV d) II and IV

3. I. Vessel, II. Tracheids, III. Companion cells
   Which of the following is/are living cells?
   a) I and II b) Only III c) II and III d) Only I

4. Vascular bundles, in which xylem and phloem occur as separate bundles are known as
   a) Collateral b) Bicollateral c) Radial d) Amphivasal

5. In old trees, the greater part of secondary xylem is dark brown due to the
   a) Deposition of inorganic material
   b) Deposition of organic material
   c) Activity of cambium
   d) Activity of secondary xylem

6. Conjuctive tissue is made up of
   a) Parenchymatous cells, *i.e.*, in between the xylem and phloem
   b) Sclerenchymatous cells, *i.e.*, in between the xylem and phloem
   c) Collenchymatous cells, *i.e.*, in between the xylem and phloem
   d) Merismatic cells, *i.e.*, in between the xylem and phloem

7. I. Peripheral vascular bundles are smaller than the centrally located vascular bundles
   II. Phloem parenchyma is absent
   III. Water parenchyma cavities are present within the vascular bundles
   Which of the above characters belong to the monocotyledonous stem?
   a) I and II
   b) II and III
   c) III and I
   d) I, II and III

8. Early wood is formed in dicot plant during
a) Spring season b) Winter season c) Autumn season d) Summer season

9. The meristem which is particularly present in the mature regions of roots and shoots and produce woody axis and appear later than the primary meristem is called
a) Secondary meristem b) Intercalary meristem
c) Apical meristem d) Tertiary meristem

10. A monocot stem with secondary growth is
a) *Lilium* b) *Cocos* c) *Yucca* d) *Asparagus*

11. Vessels are absent in this angiosperm.
a) *Mangifera* b) *Magnolia* c) *Dillenia* d) *Drimys*

12. Conjoint collateral closed vascular bundle is found in
a) Monocot stem b) Monocot root c) Dicot stem d) Dicot root

13. Palisade parenchyma is absent in leaves of
a) *Sorghum* b) Mustard c) Soyabean d) Gram

14. The tunica-corpus theory was proposed by
a) Hofmeister b) Nagelli c) Strasburger d) Schmidt

15. Alburnum is otherwise known as
a) Periderm b) Sapwood c) Heartwood d) Bark

16. Roots apical meristem occupies the ...A... of roots, while shoot apical meristem occupies the distant most region of the ...B... axis
Complete the above sentence with the correct combination of A and B
a) A-tip; B-stem b) A-side; B-stem
c) A-laterally; B-root d) A-tip; B-meristamatic

17. Vascular bundle in the laves of dicots are surrounded by
a) Epidermis b) Bundle sheath cells c) Pericycle d) Both (a) and (c)

18. Intercalary meristem is a derivative of
a) Lateral meristem b) Promeristem c) Primary meristem d) Secondary meristem

19. Exchange of gases between the outer atmosphere and internal tissue of the stem takes place by (in dicot stem)
a) Lenticels b) Stomata c) Hydathodes d) Pneumatophores

20. A nail is driven into the trunk of a 30 years old tree at a point 1 m above the soil level. The tree grows in height at the rate of 0.5m a years. After three years, nail will be

a) 1 m above the soil
b) 1.5 m above the soil
c) 2 m above the soil
d) 2.5 m above the soil