

Anatomy

1. **True statement regarding meristems**
 A: All Lateral meristems are primary.
 B: All Apical meristems are primary.
 C: Some intercalary meristems are secondary.
 1) A & B 2) B & C 3) C & A 4) Only B
2. **Assertion A: In meristematic cells centrally located nucleus is present.**
Reason R: Large vacuole is absent in meristematic cells.
 1) Both A & R are true and R is the correct explanation of A.
 2) Both A & R are true but R is not the correct explanation of A.
 3) A is true, R is false
 4) A is false, R is true.
3. **Primary meristem that increases the thickness of the stem.**
 1) Apical meristem 2) Intercalary meristem 3) Cambium 4) Phellogen.
4. **Tissue that helps the plants from elastic stress.**
 1) Collenchyma 2) Parenchyma 3) Sclerenchyma 4) Aerenchyma
5. **Life long activity of meristems is seen in**
 A : Apical meristems B : Intercalary meristem
 C : Vascular cambium D : Cork Cambium.
 1) Only B 2) Only D 3) A,C,D 4) A,B,C
6. **Tissues present only below the epidermis is**
 1) Pericycle 2) Phellogen 3) Collenchyma 4) Sclerenchyma
7. **Vascular bundles in stem are**
 1) Exarch 2) Mesarch 3) Diarch 4) Endarch
8. **Endarch and closed vascular bundles are present in**
 1) Dicot stems 2) Monocot stem 3) Dicot root 4) Monocot root
9. **Stele in monocot stem is**
 1) Eustele 2) Dictyostele 3) Atactostele 4) Protostele
10. **Polyarch, exarch vascular bundles are present in**
 1) Dicot root 2) Dicot stem 3) Monocot root 4) Monocot stem
11. **Open vascular bundles are present in**
 1) Dicot stem 2) Dicot root 3) Monocot stem 4) Monocot root

12. Pericycle helping in secondary growth in
 1) Dicot root 2) Dicot stem 3) Monocot stem 4) Monocot root
13. True statement regarding secondary growth
 1) Only in open vascular bundles it is seen
 2) Roots don't show any secondary growth
 3) Secondary growth results from secondary meristems
 4) Primary meristems can also participate in secondary growth.
14. Closed vascular bundles are seen in
 1) All roots 2) All stems
 3) All roots and monocot stem 4) Monocot root & monocot stem
- 15. Assertion (A) : Endodermis acts as a water barrier in roots**
Reason (R) : Endodermis shows casparian bands
 1) Both A, R are true, R is the correct explanation of A
 2) Both A, R are true but R is not the correct explanation of A
 3) A is true, R is false 4) A is false, R is true
16. Difference in the vascular bundles of dicot and monocot stems
 I. Development II. Cambium activity
 III. Arrangement IV. Shape in respective stems
 1) I & II 2) II & III 3) III & IV 4) I & IV
- 17. Loosely arranged cells in lenticels are**
 1) Complementary 2) Conjunctive 3) Epithem 4) Cork cells
- 18. Assertion (A) : The thickness of sap wood does not increase**
Reason(R) : Sap wood constantly becomes into heartwood
 1) Both A, R are true, R is the correct explanation of A
 2) Both A and R are true but R is not the correct explanation of A
 3) A is true, R is false
 4) A is false, R is true
- 19. Fibro vascular bundle are seen in**
 I. Monocot stems II. Dicot leaf
 III. Monocot leaf IV. Dicot stem
 1) I & III 2) II & III 3) III & IV 4) IV & I

