LECTURE - 06

BIOLOGY

| NEET | FOUNDAT

AVIRAL CLASSES

TOPICS: Anatomy of Flowering Plants

- During formation of leaves and elongation of stem, 6. Which of the following satements is true? some cells 'left behind' from the shoot apical meristem, constitute (a) Vessels are multicellular with narrow lumen. (a) Lateral meristem (b) Tracheids are multicellular with narrow lumen. (b) Axillary bud (c) Vessels are unicellular with wide lumen. (c) Cork cambium (d) Tracheids are unicellular with wide lumen. (d) Fascicular cambium Root hair arises from 7. 2. Function of companion cells is (a) pericycle (b) endodermis (d) epiblema (c) cortex (a) providing energy to sieve element for active transport. 8. ing to the periphery is called (b) providing water to pholem (a) endarch (b) exarch (c) loading of surcose into sieve elements by pas-(c) radial (d) closed sive transport 9. (d) loading of surcose into sieve elements..
- 3. The cork embium, cork and secondary cortex are collectively called
 - (a) phelloderm
- (b) phellogen
- (c) periderm
- (d) phellem
- Which of the following does not have stomata?
 - (a) Hydrophytes
 - (b) Mesophytes
 - (c) Xerophytes
 - (d) Submerged hydrophytes
- The chief water conducting elements of xylem in gymnosperms are:
 - (a) vessels
 - (b) fibres
 - (c) transfusion tissue
 - (d) tracheids

- A vascular bundle in which the protoxylem is point-
- Collenchyma differs from parenchyma is having
 - (a) living protoplasma
 - (b) cellulose walls
 - (c) vacuoles
 - (d) pectin deposits at corners
- 10. Which one of the following statement is false?
 - (i) Epidermal cell has small amount of cytoplasma and a large vaculoe
 - (ii) Waxy cuticle layer is absent in roots.
 - (iii) Roots hours are unicellular while stem hairs/ trichomes are multicellular
 - (iv) Trichomes may be branched or unbranched, soft or stif and prevent transpiration.
 - (v) Guard cells are dumbell shaped in dicot and beanshaped in monocots.
 - (a) (i) only
- (b) (iv) only
- (c) (iii) only
- (d) (v) only