

# Doon Public School

Sector-21, Panchkula

Assignment – 2

Subject: Biology

Class: XI

Date: 21-08-2018

**Answer the following questions.**

1. Represent diagrammatically the twisted and imbricate aestivation.
2. Differentiate between cymose and racemose inflorescence.
3. Draw labeled diagrams of parenchyma, collenchyma and sclereid.
4. Draw a neat labeled diagram of the cross section of a monocot stem.
5. Define the following: a) Sap wood (b) Fascicular cambium (c) Exarch (d) Bark (e) Cork.
6. Differentiate between primary growth and secondary growth.
7. How is vascular cambium formed in a dicot root? How does it differ from that of a dicot stem?
8. Differentiate between the anatomy of a dorsiventral leaf and that of an isobilateral leaf.
9. Answer the following with reference to the anatomy of dicot stem:
  - a) Where exactly are the cambial cells located in the vascular bundle?
  - b) What is the name given to such a bundle?
  - c) How are Xylem vessels arranged?
  - d) What type of cells constitute pith?