

B.L.D.E. Association's

**S. B. Arts & K.C.P. Science College,
VIJAYAPUR- 586 103.**



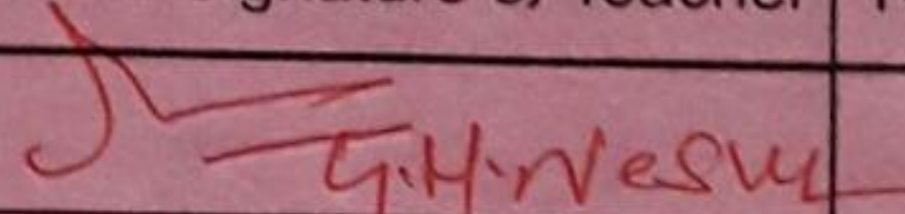
ASSIGNMENT

For B.A./ B.Sc.^{1st} Semester
2016 - 2017

Name of the Student Annadaya - Patil

Roll No. 71 R.C.U. Seat No. _____

Subject botany

Assignment No.	Date	Marks Assigned	Marks Obtained	Name and Signature of Teacher	Remarks
1	05.10.17	02	02		
2					
3					
4					

50 marks questions

1) Meristem based What are meristem. Classify the meristem based on their position.

Meristem \rightarrow Group of immature, undifferentiated, embryonic mass of actively dividing cells, situated at the growing tips of stem, root & branches.

* Meristem based on their position, there are 3 types.

1) Apical meristem \rightarrow Occure at the growing apices of root & stem & terminal or sub-terminal position.

* Several cm to few cm long.

* Develops from pro-meristem & include primary meristem.

* Responsible for longitudinal growth of plant & its organs.

2) Intercalary meristem \rightarrow These are intercalary detached mass of apical meristem lying between permanent tissues.

* Short lived / Rapid elongation of plant organs before flowering by producing permanent tissue.

* Occure at the base of leaf, nodes & below the nodes.

3) Lateral meristem \rightarrow Occure in lateral side of stem.

* They produce secondary tissue.

* to increase in thickness of plant.

* they include primary & secondary meristems.

2) Explain the types of vascular bundle?

V.B \rightarrow The xylem & phloem arranged in compact bundle.

* There are 3 types.

1) Radial V.B \rightarrow xylem & phloem are arranged in 2 different radii.

2) Conjoint V.B \rightarrow xylem & phloem are arranged in same radii.

a) bi-colateral \rightarrow when xylem & phloem lie together in the same radii, the xylem being internal & phloem is external.

b) Collateral \rightarrow