



INDIAN SCHOOL DARSAIT DEPARTMENT OF BIOLOGY



Subject : BIOLOGY **Topic : Anatomy of Flowering Plants** Date of worksheet :
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Name of the Student : _____ Class & Division : XI Div _ Roll Number : _

Answer the Following

- 1) 1) What do you understand from endarch and exarch arrangement of xylem? 1
- 2) (a) What do the specific regions of the apical meristem produce during the formation of the primary plant body? 2
(b) During the formation of leaves and elongation of stem, some cells 'left behind' from shoot apical meristem form _____
- 3) Name the cells which are commonly found in the fruit walls of nuts; pulp of fruits like guava, pear and sapota; seed coats of legumes and leaves of tea. 1
- 4) Identify which xylem element and phloem is absent in gymnosperms? 1
- 5) Define stomatal apparatus? 1
- 6) What is the commercial use of phloem fibres? 1
- 7) Identify the group of tissues which form stele. 1
- 8) How is adaxial epidermis different from abaxial epidermis? 1
- 9) What are trichomes? 1
- 10) State the three types of vascular arrangements 2
- 11) Differentiate between : (a) heartwood and sapwood 2 x2
(b) Spring wood and autumn wood.
- 12) Illustrate the secondary growth in root. 2
- 13) How do we differentiate xylem and phloem based on their structure? 3
- 14) Explain secondary growth in dicot stem. 3
- 15) How are Parenchyma, collenchyma and sclerenchyma different from each other? 3
- 16) Differentiate between: 2x3
(a) Monocot stem and dicot stem (b) Monocot root and dicot root
(c) Monocot leaf and dicot leaf

