

SUCCESS KEY TEST SERIES

Work Sheet

Std: 11th Science

Subject: Biology

Time: 1Hrs

Date :

8. Plant Tissues and Anatomy

Max Marks: 35

Q.1 Select and write the most appropriate answers from given alternatives for each subquestion: 5

- 1) _____ tissue gives mechanical strength to plant.
(a) Parenchyma (b) Phloem (c) Collenchyma (d) Xylem
- 2) Collenchyma mainly forms _____.
(a) Hypodermis (b) Epidermis (c) Xylem (d) Inner cortex
- 3) The cambium present between the primary xylem and primary phloem of a vascular bundle is called as _____.
(a) Cambium (b) Intrafascicular cambium (c) Interfascicular cambium (d) Primary xylem
- 4) When phloem is present in a vascular bundles on both the sides of xylem then it is called as
(a) vascular bundle (b) Ground tissue
(c) Secondary xylem (d) Bicollateral vascular bundle
- 5) Plant length is increased by _____.
(a) Xylem (b) Apical meristem (c) Lateral meristem (d) Parenchyma

Q.2 Answer the following in one sentences: 5

- 1) Where intercalary meristematic tissue is present?
- 2) What is the cell wall structure of meristematic tissue?
- 3) What is the role of lateral meristem in the plant growth?
- 4) Give some examples of simple permanent tissues.
- 5) What is called parenchyma containing chlorophyll?

Q.3 Answer the following: 10

- 1) What is the difference between the anatomy of dicot root and monocot root?
- 2) How is the arrangement of vascular bundles in dicot and monocot stem?
- 3) Distinguish between heartwood and sap wood.
- 4) Why vascular bundles of dicot stem are described as conjoint collateral and open?
- 5) 'Secondary growth is observed in most of the dicot and gymnospermic root.' State whether the given statement is true or false and justify your answer.

Q.4 Answer the following: 15

- 1) Differentiate between Vascular bundle of monocot and dicot
- 2) Explain how periderm is formed?
- 3) Write a short note on Secondary growth
- 4) Write note on the Epidermal tissue system.
- 5) Differentiate between Xylem and Phloem.

----- All the Best -----