



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET - 9

Class: IX

Sub: LIFE SCIENCE

Date: 16.04.2020

Topic: Plant tissues :Complex Permanent tissue and its types F.M. : 15

Choose the correct option:

(1x15=15)

- Complex permanent tissues are those
 - Divide continuously
 - have more than one type of cells having dissimilar function of each type
 - have different types of cells with similar function
 - have only type of cells having many functions
- Functions of Complex tissue includes:
 - Conduction of food and water
 - Mechanical support
 - Major component of secondary wood
 - All of these
- The xylem and phloem together forms the:
 - Bundle sheath
 - Vascular Bundles
 - Bundle cap
 - All of these
- The first land vascular plants are:
 - Ferns
 - gymnosperms
 - monocots
 - dicots
- Vascular Bundles are found in :
 - leaf
 - stem
 - root
 - all of these
- Which one is not a component of Xylem:
 - Xylem fibres
 - sieve tube
 - trachea
 - Tracheids
- Bast fibres is the other name for:
 - Phloem parenchyma
 - Xylem parenchyma
 - Phloem fibres
 - Xylem fibres
- The component of xylem meant for conduction of water:
 - Tracheids
 - Trachea
 - Xylem parenchyma
 - Both (a) and (b)
- The component of phloem for storage of food and water:
 - Phloem parenchyma
 - Sieve tubes
 - Companion cells
 - Phloem fibres
- The perforated end plate in phloem is called:
 - Sieve plate
 - Sieve cell
 - callus
 - sieve tube
- The tissue which helps in upward transport of water and minerals:
 - Xylem
 - Phloem
 - Sclerenchyma
 - Sclereids
- Which part of xylem is living:
 - Xylem fibre
 - Trachea
 - Xylem parenchyma
 - Tracheids

13. The major component of secondary wood is:
a) Secondary phloem b) primary xylem c) Secondary Xylem d) None of these
14. The metabolic activity of sieve tube is controlled by:
a) Phloem parenchyma b) Companion cell c) Sieve cells d) Phloem fibres
15. The living cells in Phloem:
a) Phloem parenchyma b) Companion cell c) Phloem fibre d) Both (a) and (b)

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