



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 9 (solutions)

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

Answer: have different types of cells with similar function (c)
- Functions of Complex tissue includes:
 - Conduction of food and water
 - Mechanical support
 - Major component of secondary wood
 - All of these

Answer: All of these (d)
- The xylem and phloem together forms the:
 - Bundle sheath
 - Vascular Bundles
 - Bundle cap
 - All of these

Answer: Vascular Bundles (b)
- The first land vascular plants are:
 - Ferns
 - gymnosperms
 - monocots
 - dicots

Answer: Ferns (a)
- Vascular Bundles are found in :
 - leaf
 - stem
 - root
 - all of these

Answer: All of these (d)
- Which one is not a component of Xylem:
 - Xylem fibres
 - sieve tube
 - trachea
 - Tracheids

Answer: Sieve tube (b)
- Bast fibres is the other name for:
 - Phloem parenchyma
 - Xylem parenchyma
 - Phloem fibres
 - Xylem fibres

Answer: Phloem fibres (c)
- The component of xylem meant for conduction of water:
 - Tracheids
 - Trachea
 - Xylem parenchyma
 - Both (a) and (b)

Answer: Both (a) and (b) (d)

9. The component of phloem for storage of food and water:
a) Phloem parenchyma b) Sieve tubes c) Companion cells d) Phloem fibres
Answer: Phloem parenchyma (a)
10. The perforated end plate in phloem is called:
a) Sieve plate b) Sieve cell c) callus d) sieve tube
Answer: Sieve plate (a)
11. The tissue which helps in upward transport of water and minerals:
a) Xylem b) Phloem c) Sclerenchyma d) Sclereids
Answer: Xylem (a)
12. Which part of xylem is living:
a) Xylem fibre b) Trachea c) Xylem parenchyma d) Tracheids
Answer: Xylem parenchyma (c)
13. The major component of secondary wood is:
a) Secondary phloem b) primary xylem c) Secondary Xylem d) None of these
Answer: Secondary Xylem (c)
14. The metabolic activity of sieve tube is controlled by:
a) Phloem parenchyma b) Companion cell c) Sieve cells d) Phloem fibres
Answer: Companion cells (b)
15. The living cells in Phloem:
a) Phloem parenchyma b) Companion cell c) Phloem fibre d) Both (a) and (b)
Answer: Both (a) and (b) (d)

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