

SECOND MID TERM TEST - 2023

STD - XI

BIOLOGY

MARKS : 35

TIME : 1.30 Hrs

YouTube/ Akwa Academy
BIO-BOTANY (Marks : 18)

I. Choose the correct Answer.

3 x 1 = 3

- Phloem fibres are called as
 - Fibre tracheids
 - Bast fibers
 - Libriform fibers
 - Gelatinous fibers
- Stomata of a plant open due to
 - Influx of K^+ at Guard cells
 - Efflux of K^+ at Guard cells
 - Efflux of Cl^- at Guard cells
 - Influx of OH^- at Guard cells
- Wood is
 - Secondary xylem
 - Secondary phloem
 - Secondary medullary rays
 - Secondary cortex

II. Answer any two questions.

2 x 2 = 4

- What are lamellar collenchyma? Give the example.
- What is Barchysclereids?
- What is Tyloses?
- What in Imbibition?

III. Answer any two questions.

2 x 3 = 6

- What is Endarch xylem?
- Write the difference between the Intrafascicular cambium and Interfascicular cambium?
- What is Guttation?

IV. Answer any one of the following.

1 x 5 = 5

- Write the functions of Epidermal tissue system? (OR)
Write the types of transpiration

BIO-ZOOLOGY (Marks : 17)**I. Choose the correct Answer.**

2 x 1 = 2

- The pigment present in the muscle fibre to store oxygen is
 - myoglobin
 - troponin
 - myosin
 - actin
- Which of the following pairings is correct?
 - Sensory nerve - afferent
 - Motor nerve - afferent
 - Sensory nerve - Ventral
 - Motor nerve - dorsal

II. Answer any two questions.

2 x 2 = 4

- What are the different types of rib bones that form the rib cage?
- What are the functions of the skeletal system?
- The choroid plexus secretes cerebrospinal fluid. List the function of it.
- What is mean by conjunctiva.

III. Answer any two questions.

2 x 3 = 6

- How is tetany caused?
- What are the benefits of regular exercise?
- Differentiate between rod and cone cells.
- What is Autonomic Nervous System? Explain the components of its?

IV. Answer any one of the following.

1 x 5 = 5

- List the disorders of the muscular system. (OR)
 - Describe the human brain with diagram.

XI - BIOLOGY