

Class : 11

--	--	--	--	--	--

SECOND MID TERM TEST - 2024

Time Allowed : 1.30 Hours]

BIOLOGY

[Max. Marks : 50

Part - I (Bio-Botany)**SECTION - I**I. Answer all the questions. **YouTube/ Akwa Academy**

5x1=5

- has the bicollateral vascular bundle.
 - Cucurbitaceae
 - Liliaceae
 - Drosena
 - Yucca
- Stomata of a plant opens due to
 - influx of K⁺ ions
 - Efflux of K⁺ ions
 - influx of Cl⁺ ions
 - influx of OH⁻ ions
- The element which is not remobilized
 - Phosphorus
 - Potassium
 - calcium
 - Nitrogen
- Cork cambium is an example of ----- meristems.
 - Apical
 - intercalary
 - lateral
 - all the above
- Whiptail of cauliflower is due to the deficiency of -----
 - Calcium
 - Molybdenum
 - Copper
 - Potassium

SECTION - II

II. Answer any Three of the following questions.

3x2=6

- State the factor that control water potential
- In which season the vessels of angiosperm are larger in size, why?
- What is passage cell?
- Write the types parenchyma cells
- What is Calmodulin?

SECTION - III

III. Answer any Three of the following questions.

3x3=9

- What are Tyloses ?
- Differentiate sclerids and fibres.
- What is Hydroponics?
- Differentiate porous and Nonporous wood.
- What are lenticels?
- Define Osmosis
- Draw a neat labelled diagram of anatomical structure of the Dicot leaf.

SECTION - IV

IV. Answer any One of the following question

1x5=5

- What is transpiration ? explain its types

(OR)

Write the difference between the anatomy of dicot stem and monocot stem

TPR / 11 / Bio / 1

Bio-Zoology (Marks : 25)**SECTION - I****I. Answer all the questions:****5x1=5**

1. The end product of Ornithine cycle is
a. carbon dioxide b. uric acid c. urea d. ammonia
2. Animal requiring minimum amount of water to produce urine are
a. ureotelic b. ammonotelic c. uricotelic d. chemotelic
3. The muscles attached to the bones are called
a. skeletal muscle b. cardiac muscle c. involuntary muscle d. smooth muscles
4. The functional unit of a muscle fibre is
a. sarcomere b. sarcoplasm c. myosin d. actin
5. Which of the following pairings is correct?
a. Sensory nerve – afferent b. Motor nerve - afferent
c. Sensory nerve – ventral d. Motor nerve – dorsal

SECTION - II**Answer any 3 Questions :****3x2=6**

6. Which part of the autonomic nervous system is involved in micturition process?
7. Name the three main hormones involved in the regulation of the renal function? *Eico me importes of face*
8. What is meant by physiotherapy?
9. Cornea transplant in humans is almost never rejected. State the reason. *Differ banding*
10. Draw a neat labelled sketch of Neuron (Nerve cell).
write the above of the

SECTION - III**Answer any 3 Questions :****3x3=9**

11. What is the function of antidiuretic hormone? Where is it produced and what stimuli increases or decreases its secretion? *Economic importance of sole worm*
12. How does an isotonic contraction take place?
13. List the three main parts of the axial skeleton.
14. Pleasant smell of food urged Ravi to rush into the kitchen. Name the parts of the brain involved in the identification of food and emotional responses to odour.
15. Differentiate between rod and cone cells.

SECTION - IV**Answer the Questions :****1x5=5**

16. a) ~~Explain about Mechanism of Hearing.~~ *give case of family's soly cycle*
- (OR)
- b) Write about the Refractive errors of eye?

TPR/11/Bio/2