

11- Std**SECOND MID TERM TEST - 2023**

Time : 1.30 Hrs

BIOLOGY

Marks : 35

BIO - BOTANY**PART - I****Choose the correct answer:****2×1=2**

1) What type of transpiration is possible in the xerophyte opuntia?

- a) Stomatal b) Lenticular c) Cuticular d) All the above

3) Match the correct combination:

Minerals	Role	
A) Molybdenum	-	1. Chlorophyll
B) Zinc	-	2. Methionine
C) Magnesium	-	3. Auxin
D) Sulphur	-	4. Nitrogenase

a) A-1 B-3 C-4 D-2

b) A-2 B-1 C-3 D-4

c) A-4 B-3 C-1 D-2

d) A-4 B-2 C-1 D-3

PART - II Answer ANY TWO questions:**2×2=4**

- 3) What is Aerenchyma? Give example.
 4) Differentiate Porous wood from Non-porous wood.
 5) What are the significance of imbibition?
 6) Write notes on Insectivorous mode of Nutrition.

PART - III Answer ANY TWO questions:**2×3=6**

- 7) Draw and label the structure of Dicot leaf.
 8) Explain Annual Ring.
 9) Explain the types of transpiration.
 10) Explain Apoplast and Symplast.

PART - IV Answer ANY ONE question:**1×5=5**

- 11) Distinguish the anatomy of dicot stem from monocot stem.
 12) Explain Munch Mass Flow hypothesis.

BIO - ZOOLOGY**Marks: 18****SECTION - I Answer the questions:****3×1=3**

- 1) Muscles are formed by
 a) Myocytes b) Leucocytes c) Osteocytes d) Lymphocytes
 2) Name the cell organelle which is not seen in nerve cell.
 a) Mitochondria b) Golgi apparatus c) Centrioles d) Nucleus
 3) Which of the following hormone is not secreted under the influence of pituitary gland?
 a) Thyroxin b) Insulin c) Oestrogen d) Glucocorticoids

SECTION - II Answer ANY TWO of the following questions:**2×2=4**

- 4) Why is blind spot called so?
 5) What are the three main ear ossicles?
 6) What are the catecholamines?

SECTION - III Answer ANY TWO of the following questions:**2×3=6****(Question No. 9 is compulsory)**

- 7) What are the different types of rib bones that form the rib cage?
 8) List out the hormones secreted by anterior pituitary gland.
 9) Differentiate between rod cells and cone cells.

SECTION - IV Answer the following question:**1×5=5**

- 10) What are the different types of bone fracture? (OR)
 Describe the structure of an ear.