### Ts11Bio

### Tenkasi District

Common Second Mid Term Test - 2024



27-11-24 Time: 1.30 Hrs.

### Standard 11 **BIOLOGY**

Marks: 35

**BIO-BOTANY** 

Marks: 18

#### I. Answer all the questions:

 $3 \times 1 = 3$ 

- Bicollateral Vascular Bundles are present in \_\_\_\_\_\_
  - a) Cucurbitaceae

b) Liliaceae

c) Dracena

- d) Yucca
- 2) The element which is not remobilized?
  - a) Phosphorous b) Potassium
    - c) Calcium

mini to winger Andre

- 3) Munch hypothesis is based on
  - a) Translocation of food due to TP gradient and imbibition force
  - b) Translocation of food due to TP
  - c) Translocation of food due to imbibition force
  - d) None of the above

# II. Answer ANY TWO from the following:

- 4) If the concentration of salt in the soil is too high and the plants may will even if the field is thoroughly irrigated. Explain.
- 5) When there is plenty of light and higher concentration of oxygen, what kind of pathway does the plant undergo? Analyse the reasons.
- 6) In a forest, if the bark of a tree is damaged by the horn of a deer. How will the plant overcome the damage?

# III. Answer ANY TWO from the following: (Q.No. 9 is compulsory)

- 7) A transverse section of the trunk of a tree shows concentric rings which are known as growth rings. How are these rings formed? What are the significacnce of these rings?
- 8) What are the parameters which control water potential?
- 9) When there is plenty of light and higher concentration of oxygen. What kind of pathway does the plant under go? Analyse the reasons.

## IV. Answer all the questions:

1×5=5

10) a) T.S. of Dicot stem and T.S. of Monocot stem - Differentiate.

(OR)

b)  $C_3$  and  $C_4$  cycle - Differentiate.

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BIO - ZOOLOGY

Marks: 17

I. Choose the correct answer:

2×1=2

- 1) Each skeletal muscle is covered by
  - a) Epimysium

- b) Perimysium

c) Endomysium

- d) Hypomysium
- 2) The respiratory centre is present in the
  - a) Medulla Oblongata
- b) Hypothalamus

c) Cerebellum

d) Thalamus

### II. Answer ANY TWO of the following:

 $2\times2=4$ 

- 3) Sam's optometrist tells him that has intraowlar pressure is high. What is this condition called and which fluid does it involve?
- 4) How does an isometric contraction take place?
- 5) Define metaphysis.
- 6) At the end of repolarisation, the nerve membrane gets hyperpolarised. Why?  $\leq \iota \vee \beta \ltimes \iota \circ \beta \otimes M$ ,

Stoj RAMO MATRIC HSS,

III. Answer ANY TWO of the following:

Vallaro 62 2859 2×3=6

Q.No. 10 is compulsory. Tenkusi District

- 7) The choroid plexus secretes cerebrospinal fluid. List the function of it.
- 8) Why the limbic system is called the emotional brain? Name the parts of it.
- 9) List the name and number of bones invertebral column.

10) Define GOUT.

copal-4

#### IV. Answer the following:

1×5=5

11) What are the benefits of regular exercise?

(OR)

Differentiate between rod and cone cells.