

Ts11Bio

Tenkasi District



Common Second Mid Term Test - 2024

27-11-24

Standard 11

Time: 1.30 Hrs.

BIOLOGY

Marks: 35

BIO - BOTANY

Marks: 18

**I. Answer all the questions:****3×1=3**

- 1) 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
  - d) Nitrogen
- 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:****2×2=4**

- 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)****2×3=6**

- 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<sub>3</sub> and C<sub>4</sub> cycle - Differentiate.

