

SATAVAHANA UNIVERSITY – KARIMNAGAR
UG PRACTICAL EXAMINATIONS - B.Sc (CBCS) BOTANY – III YEAR
SEMESTER - VI, PAPER - VIII
(Plant Physiology)
Question Bank

I. A. Major Experiments

1. Separation of Chloroplast pigments by **paper chromatography**.
2. Estimation of Proteins by **Biuret Method**.

II. B. Minor Experiments

3. Determination of Stomatal frequency using leaf **epidermal peel/impressions**.
4. Determination of Rate of transpiration by **Cobalt chloride** method.

III. Identify and write critical notes on the given plant materials /photographs

C. Micronutrient Deficiency.

5. Iron.
6. Boron.
7. Copper.
8. Zinc.
9. Molybdenum.
10. Chlorine.

D. Macronutrient Deficiency.

11. Nitrogen.
12. Sulphur.
13. Phosphorus.
14. Calcium.
15. Potassium.
16. Magnesium.

E. C3, C4 and CAM Plants.

17. C3 plants (Internal structure of dorsiventral leaf –Sunflower)
18. C4 plants (Leaves of Monocots having Kranz anatomy-Maize)
19. CAM plants (Xerophytic plant with succulent leaves-Aloe/Bryophyllum)

IV. Record

V. Viva

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Practical Model Paper

Time- 2.30 hrs

Max Marks-25

- I. A. Major Experiment.**
(Procedure and Experiment -04, Observations and Results -04)
08-marks
- II. B. Minor Experiment.**
(Procedure and Experiment- 03, Observations and Result- 03)
06-marks
- III. Identify and write critical notes on the given plant materials /photographs**
(Identification -01 and Description -01)
- C. Micronutrient Deficiency.
D. Macronutrient Deficiency.
E. C3, C4 and CAM plants.
(3x2) 06-marks
- IV. RECORD and VIVA.**
(3+2) 05- marks

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