

SATAVAHANA UNIVERSITY – KARIMNAGAR
UG PRACTICAL EXAMINATIONS - B.Sc (CBCS) BOTANY – III YEAR
SEMESTER - VI, PAPER - IX
(Tissue Culture and Biotechnology)
Question Bank

I. A. Major Experiments.

1. Estimation of the amount of DNA present in the given unknown solution.
2. Production of synthetic seeds/Encapsulated Embryo.

II. B. Minor Experiments.

3. Callus Micro propagation /Induction.
4. Demonstration of Micro propagation /multiple shoots.

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

C. Antibiotics and Vaccines.

5. Antibiotics.

6. Vaccines.

D. Transgenic plants.

7. Bt Cotton.

8. Bt Brinjal

E. Instruments used in Biotechnology Lab.

9. Hot Air Oven.

10. Autoclave.

11. Incubator.

12. Laminar Air Flow.

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. Vaccines and Antibiotics.
D. Transgenic plants.
E. Instruments used in Biotechnology lab.
(3x2) 06-Marks
- IV. RECORD and VIVA.**
(3+2) 05- Marks

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