

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

FACULTY OF SCIENCE

B.Sc. III YEAR Practical Examination

Botany (Paper-XII)

Ecology & utilization of plants

Batch No.

Time: 4 Hours

Date :

Marks : 100

Centre :

Note :- Draw neat and well labeled diagrams wherever necessary.

- | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Q.1 | Conduct the ecological experiment allotted to you. | 20 |
| Q.2 | Measure / Estimate / Determine ... from the given sample. | 20 |
| Q.3 | Micro chemical tests (Any two) | 10 |
| Q.4 | Spotting (5 spots)
(Identification, botanical name, family and economic importance) | 25 |
| Q.5 | 1) Record book | 10 |
| | 2) Submission of field visit report-
(Collection of samples / plant – parts / products with
description and economic importance – any 10 | 10 |
| | 3) Viva voce | 05 |

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B.Sc. III YEAR Practical Examination

Botany (Paper-XI)

Cell Biology & Genetics

Batch No.

Time: 4 Hours

Date :

Marks : 100

Centre :

Note :- Draw neat and well labeled diagrams wherever necessary.

- Q.1 Prepare temporary squash of the given material and identify any two stages (Mitosis)... 15
- Q.2 Prepare smear from the given material and identify any one stage (Meiosis) 10
- Q.3 Prepare an idiogram of the given Karyotype and comment. 10
- Q.4 Identify and describe in brief the electron micrographs (Any two) 10
- OR
- Prepare temporary slide of the given specimen and describe cyclosis / cell structure.
- Q.5 Problems based on laws of inheritance (one) and Interaction of genes (one) 30
- Q.6 Record book 10
- Submission of wool model (five) 10
- Viva voce 05