

Department of Botany

Botany Lab (*Code-P101,102-201,202*)

B. Sc. 1st Year

List of Experiments

Diversity of Microbes, Archegoniate, Cell Biology and Genetics

1. Identify, classify and write short morphological notes giving well-labelled Relevant diagrams on the given specimens A,B,C and D from Algae and fungi.

2. Identify, classify and write short morphological notes giving well labeled relevant diagram on the given specimens E,F,G and H from Bryophytes and Pteridophytes.

Prepare smear/squash and find out two different stages of mitosis. Identify giving characters of Identification along with relevant diagram and show it to the examiner.

Cut the section of given material 'I' (Pteridophyte) and prepare a double-stained permanent mount. Identify giving reasons of identification along with relevant diagram and show it to the examiner.

Two numerical regarding genetics (Mendelian inheritance and gene interaction) as per syllabus.

Identify giving two important character of identification of the given spots 1,2,3,4 (One each an from Algae, Fungi, Bryophyte d pteridophyte).

To prepare temporary mount of any plant pathological material.

Any experiment designed by the examiner as per syllabus.

Identify giving two important characters of identification of the giving spots 1 and 2 (one each from mitosis and meiosis).

Field visit and collection records



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