

**DIBRUGARH UNIVERSITY  
DIBRUGARH, ASSAM**

BOTANY MAJOR BOTMP- 605

**Marks: 80(52End+13IA), Project work 15**

**A. Molecular Biology and Immunology**

1. Preparation of ball and stick model of Nucleolides.
2. Detection/Estimation of RNA/DNA
3. Study of antimicrobial activity (inhibition zone) of various plant extract of economic importance.

**B. Biophysics and Bioinformatics:**

1. Application of different microscopes in biological studies.
2. Separation techniques.
3. Different e-resources and database search.
4. Similarity search in sequence such as BLAST / FASTA.
5. Submission of charts and models etc.

**\*\*\*PROJECT WORK:** *\*Topic of the Project work may be given in the Semester-V and report should have scientific investigation and outcome with statistical analysis of data (where necessary). The same have to be presented in the headings: Title, Introduction, Objective, Materials & Methods, Results, Conclusion and References. The project will be evaluated in Semester-VI with the paper BOTMP-605. Separate project preferably be given to each student.*

**SCHEME OF THE PRACTICAL EXAMINATION:**

<b>Time: 6 hrs.</b>	<b>Marks: 52+15=67</b>
1. Molecular Biology	12
2. Immunology	8
3. Biophysics	10
4. Bioinformatics	10
5. Practical record book	7
6. Viva-Voce (Practical)	5
7. Project	15