

DIBRUGARH UNIVERSITY
UNDER GRADUATE SYLLABUS UNDER SEMESTER SYSTEM
ZOOLOGY MAJOR PROGRAMME

ZooMP- 605: Practical based on papers ZooMT- 603 and ZooMT- 604

Marks: 13 (IA) + 52 (End Sem) = 65

Project Work =15

Total= 80

30 lecture hours

1. Determination of blood group and Rh factor
2. Preparation and demonstration of ball and stick model of Nucleotides.
3. Detection / estimation of RNA.
4. Immunodiffusion / Blood grouping (Ag-Ab reaction).
5. Study of Blood Cell types in blood smear slides.
6. Histological study of Lymphoid organs.
7. Different e-resources and database search.
8. Similarity search in sequence such as BLAST / FASTA.
9. Creation of databases.

SCHEME OF THE PRACTICAL EXAMINATION:

Time: 6 hrs.

Marks = 52 + 15 (project work) = 67

1. Molecular biology	15
2. Immunology	10
3. Biotechnology and Bioinformatics	7
4. Practical record book	10
5. Viva voce	10
6. <u>Project work</u>	<u>15</u>
Total =	67