

MANIPUR UNIVERSITY
CANCHIPUR, IMPHAL

SYLLABUS FOR BACHELOR OF BIOCHEMISTRY (SEMESTER SYSTEM)

BIOCHEMISTRY DEPARTMENT, MANIPUR UNIVERSITY

FINAL DRAFT COURSE STRUCTURE FOR SEMESTER BSc (ELECTIVE / HONOURS)

BIOCHEMISTRY, MANIPUR UNIVERSITY

(Decided on 25th May, 2010 by the relevant Syllabus committee constituted by Academic Council, Manipur University and subjected to minor modification on 8th June, 2010 by the Board of Studies of School of Life Sciences, Manipur University)

1st Semester

Paper BCH 101 (Theory: 75 marks):

Unit I - Bioorganic Chemistry (25 marks)

Unit II - Biomacromolecules (25 marks)

Unit III - Cell Biology (25 marks)

Paper BCH 101P (Practical: 25 marks)

2nd Semester

Paper BCH 202 (Theory: 75 marks):

Unit I - Biophysical and Biochemical Techniques (25 marks)

Unit II - Enzymology (25 marks)

Unit III - Intermediary Metabolism (25 marks)

Paper BCH 202P (Practical: 25 marks)

3rd Semester

Paper BCH 303 (Theory: 75 marks):

Unit I - Molecular Physiology (25 marks)

Unit II - Biomembranes and bioenergetics (25 marks)

Unit III - Microbiology (25 marks)

Paper BCH 303P (Practical: 25 marks)

4th Semester

Paper BCH 404 (Theory: 75 marks):

Unit I - Basic Molecular Biology (25 marks)

Unit II - Nutritional Biochemistry (25 marks)

Unit III - Plant Biochemistry (25 marks)

Paper BCH 404P (Practical: 25 marks)

5th Semester

Paper BCH 505: Molecular Biology (100 marks)

Paper BCH 506: Immunology (100 marks)

Paper BCH 507P: Practical (100 marks)

6th Semester

Paper BCH 608: Protein Biochemistry (100 marks)

Paper BCH 609: Clinical Biochemistry (100 marks)

Paper BCH 610P: Practical (100 marks)

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Principal,
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