

**The General structure of the programme in BSc
(Biochemistry & Industrial Microbiology)**

SCHEME AND SYLLABUS

SCHEME

Semester 1

Course code	Course Name
	English I
	Additional Language I
IM 1121	Fundamentals of Biochemistry
IM 1171	Fundamentals of Microbiology
CH1131.7	Basic Theoretical and Analytical Chemistry

Semester 2

Course code	Course Name
	English II
	Additional language I
IM 1241	Environmental Studies
IM 1242	Qualitative analysis of Biomolecules [Practical]
IM 1221	Microbial Taxonomy and Physiology
IM 1271	Microbiology Practical
CH 1231.7	Physical Chemistry

Semester 3

Course code	Course Name
	English III
IM 1341	Analytical Biochemistry & Biophysical Chemistry
IM 1371	Cell Biology
IM 1372	Microbial Genetics and Biotechnology
CH 1331.7	Bio- organic Chemistry
IM 1341	Practical (Biochemistry)

Semester 4

Course code	Course Name
	English IV
IM 1441	Physiological aspects of Biochemistry & Enzymology
IM 1442	Qualitative analysis of Biomolecules [Practical]
IM 1471	Environmental Microbiology
IM 1472	Food Microbiology
IM 1473	Microbiology Practical
CH 1431.7	Bio inorganic and electro chemistry
CH1432.7	Chemistry Lab

Semester 5

Course code	Course Name
IM 1541	Metabolism I
IM 1542	Metabolism II
IM 1543	Quantitative Analysis of Bio Molecules [Practical]
IM 1571	Fermentation Technology
IM 1572	Microbiology Practical
IM 1551.1/1551.2	Open Course
	Project

Semester 6

Course code	Course Name
IM 1641	Clinical Biochemistry
IM 1642	Molecular Biology
IM 1643	Urine analysis and haematology [Practical]
IM 1644	Serum estimation
IM 1671	Medical Microbiology
IM 1672	Microbiology Practical
IM 1661	Elective course- Immunology
IM 1645	Project & Industrial Visit