

ST. XAVIER'S COLLEGE [AUTONOMOUS], KOLKATA

DEPARTMENT OF MICROBIOLOGY HONOURS

COURSE STRUCTURE

Semester I

Paper –I [FM 100 (80+20)] Introductory Microbiology, Biochemistry & Stereochemistry

Paper II (Practical) [FM 50(40+10)] Micrometry and Basic Techniques in Microbiology

Semester II

Paper –III [FM 100 (80+20)] Basic Biochemistry and Biophysical techniques, Molecular biology

Paper-IV (Practical) [50(40+10)] Cultivation methodology and Seminar Presentation

Semester III

Paper –V [FM 100 (80+20)] Biochemistry, Basic Molecular biology, Thermodynamics and Biostatistics

Paper-VI (Practical) [FM 50(40+10)] Biomolecules, Enzymology and Air Microbiology

Semester IV

Paper –VII [FM 100 (80+20)] Bioenergetics, Environmental microbiology, Biostatistics

Paper-VIII (Practical) [FM 50(40+10)] Water and Food Microbiology and Microbial Characterization

Semester V

Paper –IX [FM 100 (80+20)] Advanced Molecular-biology, Analytical Biochemistry and Industrial Microbiology.

Paper-X (Practical) [FM 100 (80+20)] Industrial Microbiology and Medical Microbiology

Semester VI

Paper –XI [FM 100 (80+20)] Immunology, Biotechnology and Genetics.

Paper-XII (Practical) [FM 100 (80+20)] Immunology, Molecular Biology and Project Work.