

**ST. XAVIER'S COLLEGE [AUTONOMOUS], KOLKATA**

**DEPARTMENT OF MICROBIOLOGY GENERAL**

**COURSE STRUCTURE**

**Semester I**

**Paper –I** FM [50(40+10)]      Introductory microbiology and biomolecules

**Paper - I a** FM [25]      Introductory Microbiology

**Semester II**

**Paper –II** [50(40+10)]      Microbial morphology and Environmental Microbiology

**Paper - II a** [25]      Cultivation of microbes and Sterilization

**Semester III**

**Paper –III** [50(40+10)]      Microbial metabolism and soil microbiology

**Paper - IIIa** [25]      Water microbiology and Qualitative tests

**Semester IV**

**Paper –IV**      Food and Industrial microbiology, Recombinant DNA technology

**Paper - IVa** [25]      Food microbiology and Microbial Biochemistry

**Semester V**

**Paper –V** [25]      Bacterial genetics, Medical microbiology

**Paper - V** [25]      Medical Biochemistry and Project work

**Semester VI**

**Paper –VI** (25)      Immunology, Plant pathology, Classical genetics

**Paper - VI** (25)      Cytology and Microbial Genetics