

PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: B Sc Biotechnology (SF)

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Credits
22LAT101N	Tamil - I	ELECTIVE	THEORY	1	1	3
22LAH101N	Hindi -I	ELECTIVE	THEORY	1	1	3
22LAF101N	French - I	ELECTIVE	THEORY	1	1	3
22EU101N	Communicative English I- Interpersonal Communication	CORE	THEORY	2	1	3
22BTU101N	Cell Biology	CORE	THEORY	3	1	3
22BTU102N	Enzymology	CORE	THEORY	3	1	3
22BTU103N	Chemistry of Biomolecules (BC)	CORE	THEORY	3	1	4
22BTU104N	Basic Biochemistry and Enzyme Techniques Practical (SKILL BASED)	CORE	PRACTICAL	3	1	2
22BTU105N	Biochemistry Practical (BC) (SKILL BASED)	CORE	PRACTICAL	3	1	1
22LAT202N	Tamil - II	ELECTIVE	THEORY	1	2	3
22LAH202N	Hindi -II	ELECTIVE	THEORY	1	2	3
22LAF202N	FRENCH - II - FRENCH LANGUAGE & CULTURE - II	ELECTIVE	THEORY	1	2	3
22EU202N	Communicative English- II- Academic Communication	CORE	THEORY	2	2	3
22BTU206N	Fundamentals of Microbiology	CORE	THEORY	3	2	3
22BTU207N	Genetics	CORE	THEORY	3	2	3
22BTU208	Diagnostic Techniques	CORE	THEORY	3	2	4
22BTU209N	Introduction to Microbiology and Genetics Practical	CORE	PRACTICAL	3	2	2
22BTU210	Diagnostic Techniques Practical	CORE	PRACTICAL	3	2	1
23AECU201	Ability Enhancement Compulsory Course-I - Values and Ethics for Human Excellence	CORE	THEORY	4	2	2
23PSEU201	Professional Skill Enhancement-I	CORE	THEORY	4	2	2
22LAT303N	Tamil - III	ELECTIVE	THEORY	1	3	3
22LAH304N	Hindi -III	ELECTIVE	THEORY	1	3	3
22LAF305N	French - III	ELECTIVE	THEORY	1	3	3
22EU303N	Communicative English III- Developing English	CORE	THEORY	2	3	3

	Language Skills through Literature					
22BTU311N	Metabolism	CORE	THEORY	3	3	3
22BTU312N	Molecular Biology	CORE	THEORY	3	3	3
22BTU313	Computer Application in Biotechnology (CT)	CORE	THEORY	3	3	4
22BTU314N	Molecular Biology Practical	CORE	PRACTICAL	3	3	2
22AECU302	Ability Enhancement Compulsory Course II: Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	3	2
22LAT404N	Tamil - IV	ELECTIVE	THEORY	1	4	3
22LAH404N	Hindi -IV	ELECTIVE	THEORY	1	4	3
22LAF404N	FRENCH - IV FRENCH & FRANCOPHONE LITERATURE & ADVANCED GRAMMAR- II	ELECTIVE	THEORY	1	4	3
22EU404N	Communicative English- IV- English for Career	CORE	THEORY	2	4	3
22BTU415N	Immunology	CORE	THEORY	3	4	4
22BTU416N	Recombinant DNA Technology	CORE	THEORY	3	4	4
22BTU417N	Biostatistics	CORE	THEORY	3	4	4
22BTU418N	Immunology and rDNA Practical (Skill Based)	CORE	PRACTICAL	3	4	2
22SECU401	Skill Enhancement Course- I- Information Security	CORE	THEORY	4	4	2
23PSEU402	Professional Skill Enhancement-II	CORE	THEORY	4	4	2
22BTU519	Analytical Techniques	CORE	THEORY	3	5	3
22BTU520	Genomics and Proteomics	CORE	THEORY	3	5	4
22BTU521	Introduction to Practical Bioinformatics	CORE	THEORY	3	5	3
22BTU522	Environmental Biotechnology	CORE	THEORY	3	5	3
22BTU523	Environmental and Industrial Biotechnology Practical	CORE	PRACTICAL	3	5	3
22BTU524A	Major Elective Course- I- Industrial and Microbial Technology	CORE	THEORY	3	5	4
22BTU525	Summer Training/Internship	CORE	TRAINING	3	5	1
22BTU627	Animal Biotechnology	CORE	THEORY	3	6	4
22BTU628	Biopharmaceuticals	CORE	THEORY	3	6	4
22BTU629	Applied Biotechnology IPR, and Bioethics	CORE	THEORY	3	6	3
22BTU630	Business Biotechnology	CORE	THEORY	3	6	3

22BTU631	Plant and Animal Biotechnology Practical	CORE	PRACTICAL	3	6	3
22BTU632A	Major Elective Course II - Plant Tissue Culture and Transgenic Technology	CORE	THEORY	3	6	4
22BTU633	Project/Innovation/ Start Up	CORE	PROJECT	3	6	6