PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: B Sc Mathematics with Computer Applications (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
22MCU101N	Calculus	CORE	THEORY	3	1	3
22MCU102N	Ordinary Differential Equations and Laplace Transforms	CORE	THEORY	3	1	3
22MCU103AN	Physics - I	CORE	THEORY	3	1	4
22MCU104N	MS Office Practical	CORE	PRACTICAL	3	1	2
24MCU209	Physics Practical	CORE	PRACTICAL	3	1	0
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
23MCU205	Analytical Geometry of 3D and Vector Calculus	CORE	THEORY	3	2	3
22MCU206N	Programming in C	CORE	THEORY	3	2	3
24MCU208	Practical - II C Programming Practical(Skill Based)	CORE	PRACTICAL	3	2	2
24MCU207A	Physics II	CORE	THEORY	3	2	4
24MCU209	Physics Practical	CORE	PRACTICAL	3	2	2
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
23LAT303N	Tamil-III	ELECTIVE	THEORY	1	3	3
23LAH303N	Hindi-III	ELECTIVE	THEORY	1	3	3
23LAF303N	French-III	ELECTIVE	THEORY	1	3	3
23EU303N	Communicative English - III Developing English Language Skills Through Literature	CORE	THEORY	2	3	3

24MCU310	Partial Differential Equations and Fourier Series	CORE	THEORY	3	3	3
24MCU311	Database Management Systems	CORE	THEORY	3	3	3
23MCU312N	Discrete Mathematics and Graph Theory	CORE	THEORY	3	3	3
23MCU313N	Advanced Mathematical Statisitics-I	CORE	THEORY	3	3	4
24MCU314	Database Management Systems Practical	CORE	PRACTICAL	3	3	2
22AECU302	Ability Enchancement 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	ELECTIVE	THEORY	1	4	3
22EU404N	Communicative English IV-English for Career	CORE	THEORY	2	4	3
24MCU415N	Sequence, Series and Trigonometry	CORE	THEORY	3	4	3
24MCU416N	Data Analytics with Python	CORE	THEORY	3	4	2
23MCU417	Numerical Methods with Scilab	CORE	THEORY	3	4	3
23MCU418N	Advanced Mathematical Statistics-II	CORE	THEORY	3	4	4
24MCU419	Practical - IV Python Programming 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
23MCU519	Abstract Algebra	CORE	THEORY	3	5	4
23MCU520	Real Analysis	CORE	THEORY	3	5	4
23MCU521	Mechanics	CORE	THEORY	3	5	3
23MCU522	Data structures and algorithms	CORE	THEORY	3	5	3
23MCU523	Data structures practical	CORE	PRACTICAL	3	5	2
23MCU524A	Major Elective Course I - Astronomy	ELECTIVE	THEORY	3	5	4
23MCU524B	Major Elective Course I - Number Theory	ELECTIVE	THEORY	3	5	4
23MCU526	Project	CORE	PROJECT	3	5	6
23MCU627	Linear Algebra	CORE	THEORY	3	6	4
23MCU628	Complex Analysis	CORE	THEORY	3	6	4
23MCU629	Operations Research	CORE	THEORY	3	6	4

23MCU630	Java Programming	CORE	THEORY	3	6	3
23MCU631	Java Programming Practical	CORE	PRACTICAL	3	6	2
23MCU632A	Major Elective Course-II-Mathematical Modeling	ELECTIVE	THEORY	3	6	4
23MCU632B	Major Elective Course-II-Artificial Intelligence and Machine Learning	ELECTIVE	THEORY	3	6	4
22MAU626A	Major Elective Course - II MATHEMATICAL MODELLING	ELECTIVE	THEORY	3	6	4
22MAU626B	Major Elective Course - II ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	ELECTIVE	THEORY	3	6	4