

Progressive Education Society's
Modern College of Arts, Science and Commerce,
Shivajinagar, Pune 5

Framework of Syllabus

For

For B.Sc. (Mathematics)

(Computer Science)

(2019-20 Course)

(with effect from 2019-20)

CIA: Continuous Internal Evaluation

Semester 1 (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-1	19CsMatU101	Discrete Mathematics	3	2	40	60	100
CCT-2	19CsMatU102	Algebra	3	2	40	60	100
CCP-1	19CsMatU103	Mathematics Practical – I	4	2	40	60	100
Total			10	6	120	180	300

Semester 2 (First Year)- B.Sc. Computer Science

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-3	19CsMatU201	Graph Theory	3	2	40	60	100
CCT-4	19CsMatU202	Calculus	3	2	40	60	100
CCP-2	19CsMatU203	Mathematics Practical – II	4	2	40	60	100
Total			10	6	120	180	300

Semester 3 (Second Year)- B.Sc. Computer Science

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-5	19CsMatU301	Linear Algebra	4	2.5	40	60	100
CCT-6	19CsMatU302	Numerical methods	4	2.5	40	60	100
CCP-3	19CsMatU303	Mathematics Practical - III	4	2	40	60	100
Total			12	7	120	180	300

Semester 4 (Second Year)- B.Sc. Computer Science

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-7	19CsMatU401	Computational Geometry	4	2.5	40	60	100
CCT-8	19CsMatU402	Operations Research	4	2.5	40	60	100
CCP-4	19CsMatU403	Mathematics Practical - IV	4	2	40	60	100
Total			12	7	120	180	300