

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

(An Autonomous College Affiliated to Savitribai Phule Pune University)

Framework of Syllabus

For

B.Sc. (Chemistry)

(2019-20 Course)

(with effect from 2019-20)

Semester 1 (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-1	19ScCheU101	Physical and Inorganic Chemistry-I	3	2	40	60	100
CCT-2	19ScCheU102	Organic and Inorganic Chemistry-I	3	2	40	60	100
CCP-1	19ScCheU103	Chemistry Practical course-I	4	2	40	60	100
Total				6	120	180	300

Semester 2 (First Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-3	19ScCheU201	Physical and Inorganic Chemistry-II	3	2	40	60	100
CCT-4	19ScCheU202	Organic and Inorganic Chemistry-II	3	2	40	60	100
CCP-2	19ScCheU203	Chemistry Practical course-II	4	2	40	60	100
Total				6	120	180	300

Semester 3 (Second Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-5	19ScCheU301	Physical and Analytical Chemistry-I	4	2.5	40	60	100
CCT-6	19ScCheU302	Organic and Inorganic Chemistry-III	4	2.5	40	60	100
CCP-3	19ScCheU303	Chemistry Practical course-III	4	2	40	60	100
Total				7	120	180	300

Semester 4 (Second Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-5	19ScCheU401	Physical and Analytical Chemistry-II	4	2.5	40	60	100
CCT-6	19ScCheU402	Organic and Inorganic Chemistry-IV	4	2.5	40	60	100
CCP-3	19ScCheU403	Chemistry Practical course IV	4	2	40	60	100
Total				7	120	180	300

Semester 5 (Third Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-7	19ScCheU501	Physical Chemistry-I	4	2.5	40	60	100
CCT-8	19ScCheU502	Inorganic Chemistry-I	4	2.5	40	60	100
CCT-9	19ScCheU503	Organic Chemistry-II	4	2.5	40	60	100
CCT-10	19ScCheU504	Analytical Chemistry-III	4	2.5	40	60	100
CCT-11	19ScCheU505	Industrial Chemistry-IV	4	2.5	40	60	100
DSET-1	19ScCheU506	Environmental and Green Chemistry-I	4	2.5	40	60	100
	19ScCheU507	Nuclear Chemistry-I					
	19ScCheU508	Polymer Chemistry-I					
	19ScCheU509	Introduction to Biochemistry and Molecular Biology-I					
	19ScCheU510	Dairy Chemistry-I					
CCP-4	19ScCheU511	Physical Chemistry Practical-I	4	2	40	60	100
CCP-5	19ScCheU512	Inorganic Chemistry Practical-I	4	2	40	60	100
CCP-6	19ScCheU513	Organic Chemistry Practical-I	4	2	40	60	100
Total				21	360	540	900

Semester 6 (Third Year)

Course Type	Course Code	Course / Paper Title	Hours / Week	Credit	CIA	End Sem Exam	Total
CCT-12	19ScCheU601	Physical Chemistry-II	4	2.5	40	60	100
CCT-13	19ScCheU602	Inorganic Chemistry-II	4	2.5	40	60	100
CCT-14	19ScCheU603	Organic Chemistry-II	4	2.5	40	60	100
CCT-15	19ScCheU604	Analytical Chemistry-II	4	2.5	40	60	100
CCT-16	19ScCheU605	Industrial Chemistry-II	4	2.5	40	60	100
DSET-2	19ScCheU606	Environmental and Green Chemistry-II	4	2.5	40	60	100
	19ScCheU607	Nuclear Chemistry-II					
	19ScCheU608	Polymer Chemistry-II					
	19ScCheU609	Introduction to Biochemistry and Molecular Biology-II					
	19ScCheU610	Dairy Chemistry-II					
CCP-4	19ScCheU611	Physical Chemistry Practical-II	4	2	40	60	100
CCP-5	19ScCheU612	Inorganic Chemistry Practical-II	4	2	40	60	100
CCP-6	19ScCheU613	Organic Chemistry Practical-II	4	2	40	60	100
Total				21	360	540	900