

Course Structure for (B.Sc. Biochemistry/Computer Applications /Chemistry)

Effective from the academic year 2020 onwards

Semester 1:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
CC	English		5	-	5	40	60	100	2
CC	Second Language		5	-	5	40	60	100	2
AECC	EVS		2	-	2	20	30	50	1
DSC -1	Physical & Organic Chemistry-I	U20/CHE/DSC/101	4	3	5	40	60	100	2
DSC-2	Molecules of Life	U20/BIC/DSC/101	4	3	5	40	60	100	2
DSC-3	C Programming	U20/MIB/DSC/101	4	3	5	40	60	100	2

Semester 2:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
CC	English		5	-	5	40	60	100	2
CC	Second Language		5	-	5	40	60	100	2
NCGPA	Human Values		1	-	1				1
DSC -1	Inorganic & Organic Chemistry-I	U20/CHE/DSC/201	4	3	5	40	60	100	2
DSC-2	Enzymes & Analytical Techniques	U20/BIC/DSC/201	4	3	5	40	60	100	2
DSC-3	Web Technologies	U20/BIC/DSC/201	4	3	5	40	60	100	2

Semester 3:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
CC	English		5	-	5	40	60	100	2
CC	Second Language		5	-	5	40	60	100	2
GE	General Elective		3	-	3	20	30	50	1
DSC -1	Physical & Organic Chemistry-II	U20/CHE/DSC/301	4	3	5	40	60	100	2
DSC-2	Metabolism of Biochemistry	U20/BIC/DSC/301	4	3	5	40	60	100	2
DSC-3	Database System Concepts	U20/CSC/DSC/301	4	3	5	40	60	100	2

Semester 4:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
CC	English		5	-	5	40	60	100	2
CC	Second Language		5	-	5	40	60	100	2
GE	General Elective		3	-	3			50	
DSC -1	Inorganic & Physical Chemistry	U20/CHE/DSC/401	4	3	5	40	60	100	2
DSC-2	Molecular Biology and Hormones	U20/BIC/DSC/401	4	3	5	40	60	100	2
DSC-3	Programming in JAVA	U20/CSC/DSC/401	4	3	5	40	60	100	2

Semester 5:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
SEC-1	IPR/Cheminformatics	U20/CHE/SEC/501/P	-	3	2	-	-	100	2
SEC-2	Research Tools in Biosciences	U20/BIC/SEC/501/P	-	3	2	-	-	100	2
SEC-3	Programming in R	U20/CSC/SEC/501/P	-	3	2	-	-	100	2
DSC -1	Inorganic & Organic Chemistry-II	U20/CHE/DSC/501	4	3	5	40	60	100	2
DSC-2	Clinical & Immunobiochemistry	U20/BIC/DSC/501	4	3	5	40	60	100	2
DSC-3	Multimedia System	U20/CSC/DSC/501	4	3	5	40	60	100	2

Semester 6:

Course Type	Course Title	Course Code	Hours/Week		Credits	Max Marks		Total Marks	Duration of Sem End Exam(hrs)
			L	P		CIA	Sem End		
DSE I-1	Instrumental Methods of Analysis / Environmental Chemistry and Green Chemistry	U20/CHE/DSE/601 U20/CHE/DSE/602	3	3	4	40	60	100	2
DSE I-2	Plant Biochemistry/ Pharmaceutical Biochemistry	U20/BIC/DSE/601 U20/BIC/DSE/602	3	3	4	40	60	100	2
DSE I-3	Programming in Python/	U20/CSC/DSE/601	3	3	4	40	60	100	2

	Concept of E- Commerce	U20/CSC/DSE/602							
DSE II / Project -1	Material Science / Medicinal Chemistry and Catalysis	U20/CHE/DSE/603 U20/CHE/DSE/604	3	3	4	40	60	100	2
DSC II / Project -2	Nutritional Biochemistry/ Biochemistry of Diseases	U20/BIC/DSE/603 U20/BIC/DSE/604	3	3	4	40	60	100	2
DSC II / Project -3	Mobile App Development	U20/CSC/DSE/603	3	3	4	40	60	100	2