

**CVM UNIVERSITY, FACULTY OF SCIENCE - COURSE STRUCTURE of FYBSC  
(BSC-MSC INTEGRATED/DUAL DEGREE IN MOLECULAR BIOLOGY)**

Sem	Subject	Course Code	Course Title	No. of Credits	Theory/ Practical (T/P)	Hours per week	External Exam Duration	Internal Marks	External Marks	Total Marks
sem1	Core 1	01	Biomathematics	4	T	4	3 hrs	40	60	100
	Core 2	02	Biophysics and Bioinstrumentation	4	T	4	3 hrs	40	60	100
	Core 3	03	Cell Structure and Dynamics	4	T	4	3 hrs	40	60	100
	Core 4	04	Biomolecules- Structure and Function	4	T	4	3 hrs	40	60	100
		05	Practical	4	P	6	3 hrs	40	60	100
		06	practical	4	P	6	3 hrs	40	60	100
	Ability enhancement		English(communication skill)	2	T	2	2 hrs	20	30	50
	Skill enhancement	01	Good laboratory practices	2	T	2	2 hrs	20	30	50
	Viva voce	01	Inclusive viva voce	1	V					
			<b>Total credits</b>	<b>29</b>						700
sem2	Core 1	01	Fundamentals of Biostatistics	4	T	4	3 hrs	40	60	100
	Core 2	02	Fundamentals of Biochemistry	4	T	4	3 hrs	40	60	100
	Core 3	03	Basic concept of molecular biology/Genome organization	4	T	4	3 hrs	40	60	100
	Core 4	04	Fundamentals of microbiology	4	T	4	3 hrs	40	60	100
		05	Practical	4	P	6	3 hrs	40	60	100
		06	practical	4	P	6	3 hrs	40	60	100
	Ability enhancement	01	ICT	2	T	2	2 hrs	20	30	50
	Skill enhancement	01	Biosafety and Containment	2	T	2	2 hrs	20	30	50
	Viva voce	01	Inclusive viva voce	1	V					
			<b>Total credits</b>	<b>29</b>						700