



Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous)
Ganeshkhind, Pune - 16

Course Structure F.Y.B.Sc (Biotechnology) for NEP 2

Name of the Board: Biotechnology

Class	Sem	Course Type	Course Code	Course Name	Theory/ Practical	No. of Credits	No. of Hours	Total Marks	CIE Marks	ESE Marks
F.Y. BSc Biotech	I	Major (DSC)	24BIO11101	Biological Chemistry	T	2	2	50	20	30
			24BIO11102	Experiments in Biological Chemistry	P	2	4	50	20	30
			24BIO11103	Microbial Science	T	2	2	50	20	30
			24BIO11104	Experiments in Microbial Science	P	2	4	50	20	30
			24BIO11105	Bioinstrumentation	T	2	2	50	20	30
			24BIO11106	Experiments in Bioinstrumentation	P	2	4	50	20	30
		SEC	24BIO11409	Experiments in Computational tools for biotechnology	P	2	4	50	20	30
		OE		From Humanities/Commerce stream	T	2	4	50	20	30
		AEC	24ENG11506	Developing communicative competence in English	T	2	2	50	20	30



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Class	Sem	Course Type	Course Code	Course Name	Theory/ Practical	No. of Credits	No. of Hours	Total Marks	CIE Marks	ESE Marks
		VEC	24VEC11501	Environmental Sustainability: Principles and Values	T	2	2	50	20	30
		IKS	24IKS11501	Introduction to Indian Knowledge System	T	2	2	50	20	30
				Total Credits		22	22	550	220	330
	II	Major (DSC)	24BIO12101	Plant Science	T	2	2	50	20	30
			24BIO12102	Experiments in Plant Science	P	2	4	50	20	30
			24BIO12103	Animal Science	T	2	2	50	20	30
			24BIO12104	Experiments in Animal Science	P	2	4	50	20	30
			24BIO12105	Metabolism and Physiology	T	2	2	50	20	30
			24BIO12106	Experiments in Metabolism & Physiology	P	2	2	50	20	30
		SEC	24BIO12409	Experiments in Microscopy	P	2	2	50	20	30
		OE		From Humanities/Commerce stream	T	2	2	50	20	30
		AEC	24ENG12506	Master in English for Professional Purposes	T	2	2	50	20	30



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Class	Sem	Course Type	Course Code	Course Name	Theory/ Practical	No. of Credits	No. of Hours	Total Marks	CIE Marks	ESE Marks
		VEC	24VEC12502	India's Constitution, Democracy, Election, and Governance	T	2	4	50	20	30
		CC		Physical Education/ Animation/Culinary Arts/ Theater and Drama/ NCC/NSS/Red Cross Society		2		50	20	30
				Total Credits		22		550	220	330