



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

Course Structure for T.Y. B.Sc (Biotechnology) NEP 1

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
TYBSc Biotech	V	Major DSC	BIO3511	Plant and Animal Tissue Culture	T	4	60L	40	60	100
		Major DSC	BIO3512	Recombinant DNA Technology	T	4	60L	40	60	100
		Major DSC	BIO3513	Recombinant DNA Technology Lab	P	2	15P	20	30	50
		Major DSE	BIO3514	Microbial Biotechnology	T	2	30L	20	30	50
		Major DSE	BIO3515	Microbial Biotechnology Lab	P	2	15P	20	30	50
		Minor	BIO3526	Immunology	T	2	30L	20	30	50
		Minor	BIO3527	Immunology Lab	P	2	15P	20	30	50
		VSEC	BIO3548	VSC: Plant and Animal Tissue Culture Lab	P	2	15P	20	30	50
		FP/CEP	BIO3569	Field Project (FP)/ Community Engagement Project (CEP)	P	2	15P	20	30	50
TYBSc Biotech	VI	Major DSC	BIO3611	Industrial Microbiology	T	4	60L	40	60	100
		Major DSC	BIO3612	Industrial Microbiology Lab	P	2	15P	20	30	50
		Major DSC	BIO3613	Applied Biotechnology	T	2	30L	20	30	50



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		IKS-Based Major	BIO3614	Biotechnology in The Indian Perspective (IKS Based Major)	T	2	30L	20	30	50
		Major DSE	BIO3615	Biostatistics and Bioinformatics	T	2	30L	20	30	50
		Major DSE	BIO3616	Biostatistics and Bioinformatics Lab	P	2	15P	20	30	50
		Minor	BIO3627	Enzyme Biotechnology	T	2	30L	20	30	50
		Minor	BIO3628	Enzyme Biotechnology Lab	P	2	15P	20	30	50
		OJT	BIO3669	On-Job-Training (OJT)	P	4	30P	40	60	100