

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, CHHATRAPATI SAMBHAJINAGAR.
M. Sc. BOTANY SYLLABUS FOR UNIVERSITY DEPARTMENT AS PER NEP-2020

(MKCL COURSE CODE WITH COURSE NAME)

Class: M. Sc. I year

ACADEMIC AUTONOMY

Semester: I Semester

Course Type	Depart. Course Code	MKCL Course Code	Course Name
Major Mandatory DSC	BOT/MJ/UD/500	(SAD265001T)	Cell and Molecular Biology
	BOT/MJ/UD/501	(SAD265011T)	Biology & Diversity of Algae and Bryophytes
	BOT/MJ/UD/502	(SAD265021T)	Taxonomy of Angiosperms
	BOT/MJ/UD/503	(SAD265001P)	Practical - Cell and Molecular Biology
	BOT/MJ/UD/504	(SAD265011P)	Practical - Biology & Diversity of Algae and Bryophytes
	BOT/MJ/UD/505	(SAD265021P)	Practical - Taxonomy of Angiosperms
	BOT/MJ/UD/506	(SAD265031P)	Horticulture Techniques
DSE (Choose any one from pool of courses)	BOT/DSE/UD/507	(SBD265041T)	Crop Genetics and Plant Breeding – I
	BOT/DSE/UD/508	(SBD265041P)	Practical - Crop Genetics and Plant Breeding – I
			OR
	BOT/DSE/UD/509	(SBD265051T)	Mycology and Plant Pathology-I
	BOT/DSE/UD/510	(SBD265051P)	Practical - Mycology and Plant Pathology-I
			OR
	BOT/DSE/UD/511	(SBD265061T)	Taxonomy of Angiosperms – I
	BOT/DSE/UD/512	(SBD265061P)	Practical - Taxonomy of Angiosperms – I
			OR
	BOT/DSE/UD/513	(SBD265071T)	Advanced Plant Physiology and Biochemistry –I
	BOT/DSE/UD/514	(SBD265071P)	Practical - Advanced Plant Physiology and Biochemistry –I
RM	BOT/RM/UD/549	(SRD265101T)	Research Methodology

Course Type	Depart. Course Code	MKCL Course Code	Course Name
Major Mandatory DSC	BOT/MJ/UD/550	(SAD265502T)	Cytology and Genetics
	BOT/MJ/UD/551	(SAD265512T)	Plant Development and Reproduction
	BOT/MJ/UD/552	(SAD265522T)	Biology and Diversity in Fungi and Microbes
	BOT/MJ/UD/553	(SAD265502P)	Practical - Cytology and Genetics
	BOT/MJ/UD/554	(SAD265512P)	Practical - Plant Development and Reproduction
	BOT/MJ/UD/555	(SAD265522P)	Practical - Biology and Diversity in Fungi and Microbes
	BOT/MJ/UD/556	(SAD265532P)	Botanical Techniques
DSE (Choose any one from pool of courses)	BOT/DSE/UD/557	(SBD265542T)	Crop Genetics and Plant Breeding – II
	BOT/DSE/UD/558	(SBD265542P)	Practical - Crop Genetics and Plant Breeding - II
			OR
	BOT/DSE/UD/559	(SBD265552T)	Mycology and Plant Pathology-II
	BOT/DSE/UD/560	(SBD265552P)	Practical - Mycology and Plant Pathology-II
			OR
	BOT/DSE/UD/561	(SBD265562T)	Taxonomy of Angiosperms – II
	BOT/DSE/UD/562	(SBD265562P)	Practical - Taxonomy of Angiosperms – II
			OR
	BOT/DSE/UD/563	(SBD265572T)	Advanced Plant Physiology and Biochemistry –II
	BOT/DSE/UD/564	(SBD265572P)	Practical - Advanced Plant Physiology and Biochemistry –II
RM	BOT/FP/UD/559	(SMD265612P)	OJT/FP/ Internship

Course Type	Depart. Course Code	MKCL Course Code	Course Name
Major Mandatory DSC	BOT/MJ/UD/600	(SAD266003T)	Biology and Diversity of Pteridophytes and Gymnosperms
	BOT/MJ/UD/601	(SAD266013T)	Plant Ecology and Conservation
	BOT/MJ/UD/602	(SAD266023T)	Plant Biotechnology
	BOT/MJ/UD/603	(SAD266003P)	Practical - Biology and Diversity of Pteridophytes and Gymnosperms
	BOT/MJ/UD/604	(SAD266013P)	Practical - Plant Ecology and Conservation
	BOT/MJ/UD/605	(SAD266023P)	Practical - Plant Biotechnology
	BOT/MJ/UD/606	(SAD266033P)	Industrial Technology
DSE (Choose any one from pool of courses)	BOT/DSE/UD/607	(SBD266043T)	ADVANCED GENETICS – I
	BOT/DSE/UD/608	(SBD266043P)	ADVANCED GENETICS – I
			OR
	BOT/DSE/UD/609	(SBD266053T)	Mycology and Plant Pathology-III
	BOT/DSE/UD/610	(SBD266053P)	Practical - Mycology and Plant Pathology-III
			OR
	BOT/DSE/UD/611	(SBD266063T)	Taxonomy of Angiosperms – III
	BOT/DSE/UD/612	(SBD266063P)	Practical - Taxonomy of Angiosperms – III
			OR
	BOT/DSE/UD/613	(SBD266073T)	Advanced Plant Physiology and Biochemistry –III
	BOT/DSE/UD/614	(SBD266073P)	Practical - Advanced Plant Physiology and Biochemistry –III
RP	BOT/FP/UD/649	(SRD266083P)	OJT/FP/Internship

Course Type	Depart. Course Code	MKCL Course Code	Course Name
Major Mandatory DSC	BOT/MJ/UD/650	(SAD266504T)	Bioprospecting and Plant Resource Utilization
	BOT/MJ/UD/651	(SAD266514T)	Pharmacognosy
	BOT/MJ/UD/652	(SAD266524T)	Plant Physiology and Metabolism
	BOT/MJ/UD/653	(SAD266504P)	Practical - Bioprospecting and Plant Resource Utilization
	BOT/MJ/UD/654	(SAD266514P)	Practical - Pharmacognosy
	BOT/MJ/UD/655	(SAD266524P)	Practical - Plant Physiology and Metabolism
	BOT/MJ/UD/656	(SAD266534P)	Genetic Engineering and Bioinformatics
DSE (Choose any one from pool of courses)	BOT/DSE/UD/657	(SBD266544T)	Advanced Genetics - II
	BOT/DSE/UD/658	(SBD266544P)	Practical - Advanced Genetics - II
			OR
	BOT/DSE/UD/659	(SBD266554T)	Mycology and Plant Pathology-IV
	BOT/DSE/UD/660	(SBD266554P)	Practical - Mycology and Plant Pathology-IV
			OR
	BOT/DSE/UD/661	(SBD266564T)	Taxonomy of Angiosperms – IV
	BOT/DSE/UD/662	(SBD266564P)	Practical - Taxonomy of Angiosperms – IV
			OR
	BOT/DSE/UD/663	(SBD266574T)	Advanced Plant Physiology and Biochemistry –IV
	BOT/DSE/UD/664	(SBD266574P)	Practical - Advanced Plant Physiology and Biochemistry –IV
RP	BOT/FP/699	(SRD266584P)	FP