



## Karmaveer Bhaurao Patil University, Satara

### B. Sc. I

#### List Discipline Specific Course

Sr. No.	Programme	Semester	Course	Course Title	Course Code
1.	Chemistry	I	DSC I	Physical Chemistry	BCT 111
			DSC II	Inorganic Chemistry	BCT 112
			DSC P-I	Practicals based on theory paper BCT 111 and BCT 112	BCP 113
		II	DSC III	Organic Chemistry	BCT 121
			DSC IV	Analytical Chemistry	BCT 122
			DSC P-II	Practicals based on theory paper BCT 121 and BCT 122	BCP 123
2.	Physics	I	DSC I	Mechanics	BPT 111
			DSC II	Electrostatics and Electronics	BPT 112
			DSC P-I	Practicals based on theory paper BPT 111 and BPT 112	BPP 113
		II	DSC III	Gravitation and Properties of Matter	BPT 121
			DSC IV	Electricity and Magnetism	BPT 122
			DSC P-II	Practicals based on theory paper BPT 121 and BPT 122	BPP 123
3.	Botany	I	DSC I	Diversity of Cryptogams	BBT 111
			DSC II	Economic Botany	BBT 112
			DSC P-I	Practicals based on theory paper BBT 111 and BBT 112	BBP 113
		II	DSC III	Plant Diversity II (Pteridophytes, Gymnosperms, Angiosperms and Palaeobotany)	BBT 121
			DSC IV	Fundamental Botany (Morphology, Anatomy and Embryology)	BBT 122
			DSC P-II	Practicals based on theory paper BBT 121 and BBT 122	BBP 123
4.	Zoology	I	DSC I	Animal Diversity I	BZT 111
			DSC II	Animal Physiology	BZT 112
			DSC P-I	Practicals based on theory paper BZT 111 and BZT 112	BZP 113
		II	DSC III	Cell Biology and Evolutionary Biology	BZT 121
			DSC IV	Genetics	BZT 122
			DSC P-II	Practicals based on theory paper BZT 121 and BZT 122	BZP 123

5.	Microbiology	I	DSC I	Introduction to Microbiology	BMiT 111
			DSC II	Techniques in Microbiology	BMiT 112
			DSC P-I	Practicals based on theory paper BMiT 111 and BMiT 112	BMiP 113
		II	DSC III	Microbial Growth	BMiT 121
			DSC IV	Biomolecules	BMiT 122
DSC P-II	Practicals based on theory paper BMiT 121 and BMiT 122	BMiP 123			
6.	Mathematics	I	DSC I	Calculus	BMT 111
			DSC II	Differential Equations	BMT 112
			DSC P-I	Practicals based on theory paper BMT 111 and BMT 112	BMP 113
		II	DSC III	Differential Calculus	BMT 121
			DSC IV	Advanced Differential Equations	BMT 122
DSC P-II	Practicals based on theory paper BMT 121 and BMT 122	BMP 123			
7.	Statistics	I	DSC I	Descriptive Statistics-I	BST 111
			DSC II	Elementary Probability Theory	BST 112
			DSC P-I	Practicals based on theory paper BST 111 and BST 112	BSP 113
		II	DSC III	Descriptive Statistics-II	BST 121
			DSC IV	Probability Distribution	BST 122
DSC P-II	Practicals based on theory paper BST 121 and BST 122	BSP 123			
8.	Electronics	I	DSC I	Fundamental of Electronicsand Network Analysis	BET 111
			DSC II	Digital Electronics-I	BET 112
			DSC P-I	Practicals based on theory paper BET 111 and BET 112	BEP 113
		II	DSC III	Semiconductor Devices	BET 121
			DSC IV	Digital Electronics-II	BET 122
DSC P-II	Practicals based on theory paper BET 121 and BET 122	BEP 123			
9.	Plant Protection	I	DSC I	Fundamentals of Plant Pathology	BPPT 111
			DSC II	Fundamentals of Soil Science	BPPT 112
			DSC P-I	Practicals based on theory paper BPPT 111 and BPPT 112	BPPP 113
		II	DSC III	Biofertilizer Production Technology	BPPT 121
			DSC IV	Principles of Organic Farming	BPPT 122
DSC P-II	Practicals based on theory paper BPPT 121 and BPPT 122	BPPP 123			
10.	Fisheries	I	DSC I	Fish Taxonomy and Identification	BFT 111
			DSC II	Fish Anatomy and Physiology	BFT 112
			DSC P-I	Practicals based on theory paper BFT 111 and BFT 112	BFP 113
		II	DSC III	Aquatic Ecology	BFT 121
			DSC IV	Aquaculture	BFT 122
DSC P-II	Practicals based on theory paper BFT 121 and BFT 122	BFP 123			

11.	Seed Technology	I	DSC I	Seed Development and Morphology	BSTT 111
			DSC II	Instrumentation and Techniques in Seed Technology	BSTT 112
			DSC P-I	Practicals based on theory paper BSTT 111 and BSTT 112	BSTP 113
		II	DSC III	Fundamentals of Seed Technology	BSTT 121
			DSC IV	Vegetable Seed Production	BSTT 122
			DSC P-II	Practicals based on theory paper BSTT 121 and BSTT 122	BSTP 123
12.	Military Science and NCC	I	DSC I	Fundamentals of Military Science	BNCCT 111
			DSC II	National Cadets Corps and Nation Development	BNCCT 112
			DSC P-I	Practicals based on theory paper BNCCT 111 and BNCCT 112	BNCCP 113
		II	DSC III	National Security of India	BNCCT 121
			DSC IV	Organization of Infantry Battalion and Weapons	BNCCT 122
			DSC P-II	Practicals based on theory paper BNCCT 121 and BNCCT 122	BNCCP 123
13.	Biochemistry	I	DSC I	Molecules of life I	BBCT 111
			DSC II	Basics of Energetics and Nutrition	BBCT 112
			DSC P-I	Practicals based on theory paper BNCCT 111 and BNCCT 112	BBCP 113
		II	DSC III	Molecules of Life II	BBCT 121
			DSC IV	Metabolism of biomolecules	BBCT 122
			DSC P-II	Practicals based on theory paper BNCCT 121 and BNCCT 122	BBCP 123
14.	Astrophysics	I	DSC I	Fundamentals of Astronomy	BPAT 111
			DSC II	The Earth and Positional Astronomy	BPAT 112
			DSC P-I	Practicals based on theory paper BPT 111 and BPT 112	BPAP 113
		II	DSC III	Introduction to Space Science	BPAT 121
			DSC IV	Basic Physics for Astronomy	BPAT 122
			DSC P-II	Practicals based on theory paper BPT 121 and BPT 122	BPAP 123
15.	Economics	I	DSC I	Micro Economics I	BECT 111
			DSC II	Macro Economics I	BECT 112
			DSC P-I	Practicals based on theory paper BECT 111 and BECT 112	BECP 113
		II	DSC III	Micro Economics II	BECT 121
			DSC IV	Macro Economics II	BECT 122
			DSC P-II	Practicals based on theory paper BECT 121 and BECT 122	BECP 123
16.	Material Science	I	DSC I	Properties of Materials	BMST 111
			DSC II	Structure of Materials	BMST 112
			DSC P-I	Practicals based on theory paper BMST 111 and BMST 112	BMSP 113
		II	DSC III	Special Materials	BMST 121
			DSC IV	Thermal, Magnetic and Electrical	BMST 122

				Properties of Material	
			DSC P-II	Practicals based on theory paper BMST 121 and BMST 122	BMSP 123
17.	Instrumentation	I	DSC I	Fundamental of Instrumentation	BIsT 111
			DSC II	Application of Instrumentation	BIsT 112
			DSC P-I	Practicals based on theory paper BINT 111 and BINT 112	BIsP 113
		II	DSC III	Fundamental of Instrumentation for electronics	BIsT 121
			DSC IV	Fundamental of Instrumentation for physics	BIsT 122
			DSC P-II	Practicals based on theory paper BINT 121 and BINT 122	BIsP 123
18.	Music Science	I	DSC I	Introduction of musical Terms & History	BMuT 111
			DSC II	Indian Folk Music & Musicologist	BMuT 112
			DSC P-I	Practicals based on theory paper BMuT 111 and BMuT 112	BMuP 113
		II	DSC III	Comparative study of the Taal's & music sPromotation in media	BMuT 121
			DSC IV	Introduction of dance, instruments & Gharanas	BMuT 122
			DSC P-II	Practicals based on theory paper BMuT 121 and BMuT 122	BMuP 123

Sr. No.	Name of Course	Type of Course
<b>One of Subject with departmental basket</b>		
19	Computer Science Optional	One of Subject with departmental basket
20	Data Science	One of Subject with departmental basket
21	Bioinformatics	One of Subject with departmental basket
22	Drug Chemistry	One of Subject with departmental basket
23	Computer Application	One of Subject with departmental basket
<b>Entire Courses</b>		
24	Computer Science (Entire)	Entire
25	Biotechnology	Entire
26	Food Technology	Entire
27	Forensic Science	Entire
28	Animation Science	Entire
29	Nanoscience & Technology	Entire
30	Artificial Intelligence (B.S. M. S.)	Entire
31	B. Voc. (Software Development)	Entire