



**VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY**  
 Jnanasagara campus, Vinayakanagara, Cantonment, Bellary.-583105

**VSKUB SEP Curriculum and Credits Structure for Undergraduate Programme under Choice Based Credit System [CBCS] Scheme for the Three Years B.Sc. Programme with effect from 2024-25 (Three Major Combination)**

**SECOND YEAR; SEMESTER-III**

Category	Teaching Department	Course code	Title of the Paper	Marks			Teaching hours/w			Credit	Duration of exam (Hrs)
				IA	SEE	Total	L	T	P		
Languages	Kannada	24BSLGKA3L	ವಿಜ್ಞಾನ ಸೌರಭ - 2	20	80	100	4	-	-	3	3
		24LGFUNK3L	ಕನ್ನಡ ಕಲೆ - 3	20	80	100	4	-	-	3	3
	English	24BSLGEN3L	Basic English	20	80	100	4	-	-	3	3
	Hindi	24BSLGHN3L	Hindi	20	80	100	4	-	-	3	3
	Telugu	24BSLGTL3L	Telugu	20	80	100	4	-	-	3	3
	Sanskrit	24BSLGSN3L	Sanskrit	20	80	100	4	-	-	3	3
	Urdu	24BSLGUR3L	Urdu	20	80	100	4	-	-	3	3
Foreign language	24BSLGFR3L	French	20	80	100	4	-	-	3	3	
Major Courses (Major 1 (A), Major 2 (B), Major 3 (C))											
MJ	Biotechnology	24MJBTEC3L	Biomolecules	20	80	100	4	-	-	4	3
		24MJBTEC3P	Biomolecules Lab	10	40	50	-	-	4	2	3
	Botany	24MJBOTN3L	Plant Histology, Anatomy And Reproductive Biology	20	80	100	4	-	-	4	3
		24MJBOTN3P	Plant Histology, Anatomy and Reproductive Biology Lab	10	40	50	-	-	4	2	3
	Chemistry	24MJCHEM3L	Chemistry-III	20	80	100	4	-	-	4	3
		24MJCHEM3P	Chemistry Laboratory Course-III	10	40	50	-	-	4	2	3
	Computer Science	24MJCOMP3L	Object Oriented Programming Using Java	20	80	100	4	-	-	4	3
24MJCOMP3P		Object Oriented Programming Using Java (LAB)	10	40	50	-	-	4	2	3	
	Electronics	24MJELEC3L	Oscillators and Op-Amp	20	80	100	4	-	-	4	3
		24MJELEC3P	Oscillators and Op-Amp Lab	10	40	50	-	-	4	2	3
	Mathematics	24MJMATH3L	Series and Sequences and Vector Calculus	20	80	100	4	-	-	4	3
		24MJMATH3P	Series and Sequences and Vector Calculus	10	40	50	-	-	4	2	3

			Lab								
	Microbiology	24MJMICR3L		20	80	100	4	-	-	4	3
		24MJMICR3P		10	40	50	-	-	4	2	3
	Physics	24MJPHYS3L	Electricity and Magnetism	20	80	100	4	-	-	4	3
		24MJPHYS3P	Electricity and Magnetism - Lab	10	40	50	-	-	4	2	3
	Zoology	24MJZOO3L	Biochemistry, Physiology and Comparative anatomy	20	80	100	4	-	-	4	3
		24MJZOO3P	Biochemistry, Physiology and Comparative anatomy Lab	10	40	50	-	-	4	2	3
	Geology	24MJGEO3L	Petrology	20	80	100	4	-	-	4	3
		24MJGEO3P	Petrology Lab	10	40	50	-	-	4	2	3
Skill Course	Biotechnology	24MJBTEC3S	Biotechnological Skills and Analytical Techniques	10	40	50	1	-	2	2	1.5
	Botany	24MJBOTN3S	Phytochemistry and Pharmacognostic studies	10	40	50	1	-	2	2	1.5
	Chemistry	24MJCHEM3S	Chemistry in daily life	10	40	50	2	-	-	2	1.5
	Computer Science	24MJCOMP3S	Web Development using JSP	10	40	50	1	-	2	2	1.5
	Electronics	24MJELEC3S	PCB designing and Fabrication	10	40	50	1	-	2	2	1.5
	Mathematics	24MJMATH3S	Integral Transform	10	40	50	1	-	2	2	1.5
	Microbiology	24MJMICR3S		10	40	50	1	-	2	2	1.5
	Physics	24MJPHYS3S	Renewable energy and energy harvesting	10	40	50	1	-	2	2	1.5
	Zoology	24MJZOO3S	Poultry	10	40	50	2	-	-	2	1.5
	Geology	24MJGEO3S	Field Geology and Instruments	10	40	50	2	-	-	2	1.5
<b>Total Credits: 26</b>											

**SECOND YEAR; SEMESTER-IV**

Category	Teaching Department	Course code	Title of the Paper	Marks			Teaching hours/w			Credit	Duration of exam (Hrs.)
				IA	SEE	Total	L	T	P		
Languages	Kannada	24BSLGKA4L	ವಿಜ್ಞಾನ ಸೌರಭ - 3	20	80	100	4	-	-	3	3
		24LGFUNK4L	ಕನ್ನಡ ಮನಸು	20	80	100	4	-	-	3	3
	English	24BSLGEN4L	Basic English	20	80	100	4	-	-	3	3
	Hindi	24BSLGHN4L	Hindi	20	80	100	4	-	-	3	3
	Telugu	24BSLGT4L	Telugu	20	80	100	4	-	-	3	3
	Sanskrit	24BSLGSN4L	Sanskrit	20	80	100	4	-	-	3	3
	Urdu	24BSLGUR4L	Urdu	20	80	100	4	-	-	3	3
	Foreign language	24BSLGFR4L	French	20	80	100	4	-	-	3	3
MJ	Biotechnology	24MJBTEC4L	Molecular and Immunobiology	20	80	100	4	-	-	4	3
		24MJBTEC4P	Molecular and Immunobiology Lab	10	40	50	-	-	4	2	3
	Botany	24MJBOTN4L	Ecology and Conservation Biology	20	80	100	4	-	-	4	3
		24MJBOTN4P	Ecology and Conservation Biology Lab	10	40	50	-	-	4	2	3
	Chemistry	24MJCHEM4L	Chemistry-IV	20	80	100	4	-	-	4	3
		24MJCHEM4P	Chemistry Laboratory Course-IV	10	40	50	-	-	4	2	3
	Computer Science	24MJCOMP4L	Database Management System	20	80	100	4	-	-	4	3
		24MJCOMP4P	Database Management System (Dbms) Lab	10	40	50	-	-	4	2	3
Electronics	Electronics	24MJELEC4L	Digital Electronics	20	80	100	4	-	-	4	3
		24MJELEC4P	Digital Electronics Lab	10	40	50	-	-	4	2	3
	Mathematics	24MJMATH4L	Differential Equations	20	80	100	4	-	-	4	3
		24MJMATH4P	Differential Equations Lab	10	40	50	-	-	4	2	3
	Microbiology	24MJMICR4L		20	80	100	4	-	-	4	3
		24MJMICR4P		10	40	50	-	-	4	2	3
	Physics	24MJPHYS4L	Wave Optics and Electronics	20	80	100	4	-	-	4	3
		24MJPHYS4P	Wave Optics and Electronics -Lab	10	40	50	-	-	4	2	3
	Zoology	24MJZOO4L	Evolutionary biology and Developmental biology	20	80	100	4	-	-	4	3
		24MJZOO4P	Evolutionary biology and Developmental	10	40	50	-	-	4	2	3

			biology Lab								
	Geology	24MJGEO4L	Structural Geology	20	80	100	4	-	-	4	3
		24MJGEO4P	Structural Geology Lab	10	40	50	-	-	4	2	3
<b>Skill Course</b>	Biotechnology	24MJBTEC4S	Bioinformatics and Biostatistics	10	40	50	1	-	2	2	1.5
	Botany	24MJBOTN4S	Methods in plant sciences	10	40	50	1	-	2	2	1.5
	Chemistry	24MJCHEM4S	Food Chemistry	10	40	50	2	-	-	2	1.5
	Computer Science	24MJCOMP4S	ETL Tool	10	40	50	1	-	2	2	1.5
	Electronics	24MJELEC4S	Sensors and Industrial Instrumentation	10	40	50	1	-	2	2	1.5
	Mathematics	24MJMATH4S	Linear Programming problems	10	40	50	1	-	2	2	1.5
	Microbiology	24MJMICR4S		-	-	-	-	-	-	2	-
	Physics	24MJPHYS4S	Geophysics	10	40	50	1	-	2	2	1.5
	Zoology	24MJZOO4S	Fisheries	10	40	50	2	-	-	2	1.5
	Geology	24MJGEO4S	Field study / Mine visits / Geological tour	10	40	50	-	-	4	2	1.5
<b>Total Credits: 26</b>											

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