

B.Sc. Program
(Department of Microbiology)
Under Choice Based Credit System (CBCS), F.Y.B.Sc. Course Structure
(Autonomous)
(To be implemented from Academic Year- 2023-24)

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
	Discipline Specific Course (DSC)			Discipline Specific Course (DSC)	
	Major			Major	
23_USMB101	Fundamentals Of Microbiology	02	23_USMB201	Basics of Microbiology	02
23_USMB102	Basic Techniques In Microbiology	02	23_USMB202	Exploring Microbiology	02
24_USMBP103	Microbiology Practical	02	24_USMBP203	Microbiology Practical	02
	Minor			Minor	
23_USCH101	Physical and Inorganic chemistry I	02	23_USCH201	Physical and Inorganic chemistry II	02
23_USCH102	Organic and Inorganic Chemistry I	02	23_USCH202	Organic and Inorganic Chemistry II	02
			23_USCH203	Chemistry Practical II	02
	Generic / Open Elective			Generic / Open Elective	
	To be selected from OE list	02		To be selected from OE list	02
	Indian Knowledge System(IKS)				
23_USIKS101	History of science and Technology in India	02			---
	Vocational Skill Course (VSC)				
23_USCH104	Laboratory skills in Chemical science (P)	02			---
				Skill Enhancement Course (SEC)	
		----		To be selected from SEC list	02
	Ability Enhancement Course (AEC)			Ability Enhancement Course (AEC)	
24_UAAECENG 102	Communication Skills in English I (T)	02	24_UAAECEN G202	Communication Skills in English II (T)	02
	Value Education Course (VEC)			Value Education Course (VEC)	
24_USBOTVEC 1	Environmental Studies – I (T)	02	24_USBOTVEC 1	Environmental Studies – II (T)	02
	Co-Curricular			Co-Curricular	
	Any one course from the Table 2 given below	02		Any one course from the Table 2 given below	02
Total Credits		22	Total Credits		22

Table 1. Open Electives (Offered by Science & Arts faculty)

<i>Open Elective (Any One)</i>		<i>Open Elective (Any One)</i>	
24_USOEIT101	Google workspace and multimedia apps (P)	24_USOE201	Basics of Excel (P)
24_USOEBT102	Introduction to Food Science (T)	24_USOEBT202	Introduction to Bioinformatics (T)
23_USOEZO103	Health and Hygiene I (T)	23_USOE204	Health and Hygiene II (T)
24_USOEPH104	Introduction to Basic Astronomy (T)	24_USOEPH204	Observational Astronomy (T)
		23_USOE203	Basic Computer System (T)
		24_USOEIT206	Social Media Awareness (P)
24_UAOEMAR101	भाषिककौशल्ये (Language Skills): भाग १ (T)	24_UAOEMAR201	भाषिककौशल्ये (Language Skills): भाग २ (T)
24_UAGESF101	Science Fiction I (T)	24_UAGESF201	Science Fiction II (T)
24_UAGEAP102	Art of Presentation I (T)	24_UAGEAP202	Art of Presentation II (T)

Table 2. Skill enhancement courses for Science, IT, BT, CS Faculty

<i>Skill Enhancement Courses</i>	
23_USCH204	Skills in Chemical Analysis I (P)
23_USZOSEC204	Aquarium Fish Keeping (P)
24_USBOTSEC1	Propagation OF Horticulture Plants I (P)
23_USPH204	Basic Measurement skills and data analysis (P)
25_USMTS205	Basic Maths for competitive Exams (P)
23_USCSS207	LINUX Practical (P)
23_USBTS207	Bio-analytical Techniques (P)
23_USITS208	Computer Skills-2 Practical (P)

Table 3: Co-curricular Course

Course Code	Semester I	Course Code	Semester II
25_GJCC101	National Service Scheme (NSS)	25_GJCC201	National Service Scheme (NSS)
24_GJCC102	National Cadet Corps (NCC)	24_GJCC202	National Cadet Corps (NCC)
24_GJCC103	Sports & Yoga	24_GJCC203	Sports & Yoga
24_GJCC104	Cultural	24_GJCC204	Cultural
24_GJCC105	Career Katta	24_GJCC205	Career Katta
24_GJCC106	Life Long Learning	24_GJCC206	Life Long Learning
25_GJCC107	Research Club	25_GJCC207	Research Club
24_GJCC108	Science Association	24_GJCC208	Science Association
24_GJCC109	Film Club	24_GJCC209	Film Club
24_GJCC110	Infosys Courses	24_GJCC210	Infosys Courses