



KADI SARVA VISHWAVIDYALAYA

B.Sc. Programme – Structure

(Scheme for teaching and evaluation for B.Sc Programme (Basic/Honours))

Aligning to NEP–2020 as per Govt. of Gujarat Dated 11/07/2023

B.Sc. Semester IV Structure

Sr. no	Component	Course code	Course title	Duration In Hrs.		Credits	Maximum Marks		TOTAL
				Theory	Practical		CCE (Formative)	SEE (Summative)	
01	Major Courses (Select any three of same subject)	MBM233-2C	Enzymology and Microbial Metabolism	60	0	4*3 = 12	50	50	100
		MBM234-2C	Molecular Genetics of Prokaryotes	60	0				
		MBM235-2C	Microbiology Practical- IV	0	120				
		CHM236-2C	Inorganic & Analytical Chemistry-II	60	0				
		CHM237-2C	Organic & Physical Chemistry-II	60	0				
		CHM238-2C	Chemistry Practicals-IV	0	120				
		PHM239-2C	Basic Physics - V	60	0				
		PHM240-2C	Basic Physics - VI	60	0				
		PHM241-2C	Physics Practical-IV	0	120				
		MTM242-2C	Numerical Analysis	60	0				
		MTM243-2C	Differential Equations	60	0				
MTM244-2C	Application of Numerical Analysis and Differential Equations	0	120						
02	Minor (Select any One)	MBE221-2C	Analytical techniques in Microbiology-I	30	60	4	50	50	100
		CHE222-2C	Chemistry in Daily Life-Agriculture Chemistry	30	60				
		PHE223-2C	Introduction to Computational Physics with Python	30	60				
		MTE224-2C	Python Programming	30	60				
03	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
04	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50



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				Theory	Practical		CCE (Formative)	SEE (Summative)	
05	SEC (Select any One)	SEC265-2C	Food Microbiology	30	0	2	25	25	50
		SEC266-2C	Industrial Chemistry-II	30	0				
		SEC267-2C	Physics in Biology and Medicine -II	30	0				
		SEC268-2C	Quantitative Aptitude-II	30	0				
	Total					22	275	275	550

Note:

1. The marks distribution is mainly divided into two components named Continuous and Comprehensive Evaluation (CCE) = 50 % and Semester End Evaluation (SEE) = 50 %.
2. Passing Percentage for each subject is 36%.