



KADI SARVA VISHWA VIDYALAYA

B.Sc. PROGRAMME – Structure (Basic / Hons.) (NEP)

DURATION OF THE COURSE: 4 YEARS (8SEMESTER)

B.Sc. Semester IV Structure

Sr. No	Component	Course code	Course title	Duration (Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Microbiology	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				
	Major Courses Chemistry	CHM236-2C	Inorganic & Analytical Chemistry-II	60	0				
		CHM237-2C	Organic & Physical Chemistry-II	60	0				
		CHM238-2C	Chemistry Practical's-IV	0	120				
	Major Courses Physics	PHM239-2C	Basic Physics - V	60	0				
		PHM240-2C	Basic Physics - VI	60	0				
		PHM241-2C	Physics Practical-IV	0	120				
	Major Courses Mathematics	MTM242-2C	Numerical Analysis	60	0				
		MTM243-2C	Differential Equations	60	0				
		MTM244-2C	Application of Numerical Analysis and Differential Equations	0	120				
2	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				



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				Theory	Practical				
3	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
4	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50
5	SEC	SEC225-2C	Food Microbiology	30	0	2	25	25	50
		SEC226-2C	Industrial Chemistry-II	30	0				
		SEC227-2C	Physics in Biology and Medicine -II	30	0				
		SEC228-2C	Quantitative Aptitude-II	30	0				
Total						22	275	275	550

Note:

1. Passing Percentage = 36% in each Component of every subject.

2. The marks distribution is mainly divided into two components named Continuous and Comprehensive Evaluation (CEE) = 50 % and Semester End Evaluation (SEE) = 50 %.



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DURATION OF THE COURSE: 4 YEARS (8SEMESTER)

B.Sc. Microbiology Semester IV Structure

Sr. No	Component	Course code	Course title	Duration (Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses	MBM233-2C	Enzymology and Microbial Metabolism	60	0	4*3=12	50	50	100
	Microbiology	MBM234-2C	Molecular Genetics of Prokaryotes	60	0				
		MBM235-2C	Microbiology Practical- IV	0	120				
2	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				
3	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
4	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50
5	SEC	SEC225-2C	Food Microbiology	30	0	2	25	25	50
		SEC226-2C	Industrial Chemistry-II	30	0				
		SEC227-2C	Physics in Biology and Medicine -II	30	0				
		SEC228-2C	Quantitative Aptitude-II	30	0				
Total						22	275	275	550

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B.Sc. PROGRAMME – Structure (Basic / Hons.) (NEP)
DURATION OF THE COURSE: 4 YEARS (8SEMESTER)
B.Sc. Chemistry Semester IV Structure

Sr. No	Component	Course code	Course title	Duration (Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Chemistry	CHM236-2C	Inorganic & Analytical Chemistry-II	60	0	4*3=12	50	50	100
		CHM237-2C	Organic & Physical Chemistry-II	60	0				
		CHM238-2C	Chemistry Practical's-IV	0	120				
2	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				
3	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
4	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50
5	SEC	SEC225-2C	Food Microbiology	30	0	2	25	25	50
		SEC226-2C	Industrial Chemistry-II	30	0				
		SEC227-2C	Physics in Biology and Medicine -II	30	0				
		SEC228-2C	Quantitative Aptitude-II	30	0				
Total						22	275	275	550

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B.Sc. PROGRAMME – Structure (Basic / Hons.) (NEP)
DURATION OF THE COURSE: 4 YEARS (8SEMESTER)

B.Sc. Physics Semester IV Structure

Sr. No	Component	Course code	Course title	Duration (Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Physics	PHM239-2C	Basic Physics - V	60	0	4*3=12	50	50	100
		PHM240-2C	Basic Physics - VI	60	0				
		PHM241-2C	Physics Practical-IV	0	120				
2	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				
3	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
4	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50
5	SEC	SEC225-2C	Food Microbiology	30	0	2	25	25	50
		SEC226-2C	Industrial Chemistry-II	30	0				
		SEC227-2C	Physics in Biology and Medicine -II	30	0				
		SEC228-2C	Quantitative Aptitude-II	30	0				
Total						22	275	275	550

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B.Sc. PROGRAMME – Structure (Basic / Hons.) (NEP)
DURATION OF THE COURSE: 4 YEARS (8SEMESTER)

B.Sc. Mathematics Semester IV Structure

Sr. No	Component	Course code	Course title	Duration (Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Mathematics	MTM242-2C	Numerical Analysis	60	0	4*3=12	50	50	100
		MTM243-2C	Differential Equations	60	0				
		MTM244-2C	Application of Numerical Analysis and Differential Equations	0	120				
2	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				
3	AEC	AEC 213-2C	Personality Development	30	0	2	25	25	50
4	VAC	VAC207-2C	Disaster Management/ Climate change/ Renewable energy	30	0	2	25	25	50
5	SEC	SEC225-2C	Food Microbiology	30	0	2	25	25	50
		SEC226-2C	Industrial Chemistry-II	30	0				
		SEC227-2C	Physics in Biology and Medicine -II	30	0				
		SEC228-2C	Quantitative Aptitude-II	30	0				
Total						22	275	275	550

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