



# KADI SARVA VISHWA VIDYALAYA

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

DURATION OF THE COURSE: 4 YEARS (8SEMESTER)

## B.Sc. Semester III Structure

Sr. no	Component	Course code	Course title	Duration ( Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Microbiology	MBM221-2C	Introduction to Biochemistry	60	0	4 *3=12	50	50	100
		MBM222-2C	Fundamentals of Immunology	60	0				
		MBM223-2C	Microbiology Practical- III	0	120				
	Major Courses Chemistry	CHM224-2C	Inorganic & Analytical Chemistry-I	60	0				
		CHM225-2C	Organic & Physical Chemistry-I	60	0				
		CHM226-2C	Chemistry Practical's-III	0	120				
	Major Courses Physics	PHM227-2C	Basic Physics - III	60	0				
		PHM228-2C	Basic Physics - IV	60	0				
		PHM229-2C	Physics Practical-III	0	120				
	Major Courses Mathematics	MTM230-2C	Linear Algebra	60	0				
		MTM231-2C	Advanced Calculus	60	0				
		MTM232-2C	Application of Linear Algebra and Calculus	0	120				
2	Multi Disciplinary  (Select any One)	MDC221-2C	Basic Statistical Techniques	30	60	4	50	50	100
		MDC222-2C	Introduction to Chemistry-III	30	60				
		MDC223-2C	Optical Fibers and Optoelectronic Devices	30	60				
		MDC224-2C	Database Management System	30	60				



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				Theory	Practical				
3	AEC	AEC 211-2C	Business Communication	30	0	2	25	25	50
4	IKS	IKS207-2C	Indian Astronomy-II	30	0	2	25	25	50
5	SEC (Select any One)	SEC221-2C	Basics of Pathology and Hematology	30	0	2	25	25	50
		SEC222-2C	Industrial Chemistry-I	30	0				
		SEC223-2C	Physics in Biology and Medicine -I	30	0				
		SEC224-2C	Quantitative Aptitude-I	30	0				
<b>Total</b>						<b>22</b>	<b>275</b>	<b>275</b>	<b>550</b>

**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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## B.Sc. Microbiology Semester III Structure

Sr. no	Component	Course code	Course title	Duration ( Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Microbiology	MBM221-2C	Introduction to Biochemistry	60	0	4 *3=12	50	50	100
		MBM222-2C	Fundamentals of Immunology	60	0				
		MBM223-2C	Microbiology Practical- III	0	120				
2	Multi Disciplinary (Select any One)	MDC221-2C	Basic Statistical Techniques	30	60	4	50	50	100
		MDC222-2C	Introduction to Chemistry-III	30	60				
		MDC223-2C	Optical Fibers and Optoelectronic Devices	30	60				
		MDC224-2C	Database Management System	30	60				
3	AEC	AEC 211-2C	Business Communication	30	0	2	25	25	50
4	IKS	IKS207-2C	Indian Astronomy-II	30	0	2	25	25	50
5	SEC (Select any One)	SEC221-2C	Basics of Pathology and Hematology	30	0	2	25	25	50
		SEC222-2C	Industrial Chemistry-I	30	0				
		SEC223-2C	Physics in Biology and Medicine -I	30	0				
		SEC224-2C	Quantitative Aptitude-I	30	0				
<b>Total</b>						<b>22</b>	<b>275</b>	<b>275</b>	<b>550</b>

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B.Sc. PROGRAMME –Structure (Basic / Hons.) (NEP)  
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## B.Sc. Chemistry Semester III Structure

Sr. no	Component	Course code	Course title	Duration ( Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Chemistry	CHM224-2C	Inorganic & Analytical Chemistry-I	60	0	4 *3=12	50	50	100
		CHM225-2C	Organic & Physical Chemistry-I	60	0				
		CHM226-2C	Chemistry Practical's-III	0	120				
2	Multi Disciplinary (Select any One)	MDC221-2C	Basic Statistical Techniques	30	60	4	50	50	100
		MDC222-2C	Introduction to Chemistry-III	30	60				
		MDC223-2C	Optical Fibers and Optoelectronic Devices	30	60				
		MDC224-2C	Database Management System	30	60				
3	AEC	AEC 211-2C	Business Communication	30	0	2	25	25	50
4	IKS	IKS207-2C	Indian Astronomy-II	30	0	2	25	25	50
5	SEC (Select any One)	SEC221-2C	Basics of Pathology and Hematology	30	0	2	25	25	50
		SEC222-2C	Industrial Chemistry-I	30	0				
		SEC223-2C	Physics in Biology and Medicine -I	30	0				
		SEC224-2C	Quantitative Aptitude-I	30	0				
<b>Total</b>						<b>22</b>	<b>275</b>	<b>275</b>	<b>550</b>

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B.Sc. PROGRAMME –Structure (Basic / Hons.) (NEP)  
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## B.Sc. Physics Semester III Structure

Sr. no	Component	Course code	Course title	Duration ( Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Physics	PHM227-2C	Basic Physics - III	60	0	4 *3=12	50	50	100
		PHM228-2C	Basic Physics - IV	60	0				
		PHM229-2C	Physics Practical-III	0	120				
2	Multi Disciplinary (Select any One)	MDC221-2C	Basic Statistical Techniques	30	60	4	50	50	100
		MDC222-2C	Introduction to Chemistry-III	30	60				
		MDC223-2C	Optical Fibers and Optoelectronic Devices	30	60				
		MDC224-2C	Database Management System	30	60				
3	AEC	AEC 211-2C	Business Communication	30	0	2	25	25	50
4	IKS	IKS207-2C	Indian Astronomy-II	30	0	2	25	25	50
5	SEC (Select any One)	SEC221-2C	Basics of Pathology and Hematology	30	0	2	25	25	50
		SEC222-2C	Industrial Chemistry-I	30	0				
		SEC223-2C	Physics in Biology and Medicine -I	30	0				
		SEC224-2C	Quantitative Aptitude-I	30	0				
<b>Total</b>						<b>22</b>	<b>275</b>	<b>275</b>	<b>550</b>

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B.Sc. PROGRAMME –Structure (Basic / Hons.) (NEP)  
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## B.Sc. Mathematics Semester III Structure

Sr. no	Component	Course code	Course title	Duration ( Hrs.)		Credit	CCE	SEE	TOTAL
				Theory	Practical				
1	Major Courses Mathematics	MTM230-2C	Linear Algebra	60	0	4 *3=12	50	50	100
		MTM231-2C	Advanced Calculus	60	0				
		MTM232-2C	Application of Linear Algebra and Calculus	0	120				
2	Multi Disciplinary (Select any One)	MDC221-2C	Basic Statistical Techniques	30	60	4	50	50	100
		MDC222-2C	Introduction to Chemistry-III	30	60				
		MDC223-2C	Optical Fibers and Optoelectronic Devices	30	60				
		MDC224-2C	Database Management System	30	60				
3	AEC	AEC 211-2C	Business Communication	30	0	2	25	25	50
4	IKS	IKS207-2C	Indian Astronomy-II	30	0	2	25	25	50
5	SEC (Select any One)	SEC221-2C	Basics of Pathology and Hematology	30	0	2	25	25	50
		SEC222-2C	Industrial Chemistry-I	30	0				
		SEC223-2C	Physics in Biology and Medicine -I	30	0				
		SEC224-2C	Quantitative Aptitude-I	30	0				
<b>Total</b>						<b>22</b>	<b>275</b>	<b>275</b>	<b>550</b>

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