

Structure of Four year Integrated Programme B.Sc. B.Ed. Mathematics

SEMESTER V

Part	Study Components – Course Title	Insti.hrs.per week	Weeks per semester	Hours per semester	Exam Hrs	Max. Marks		Total
						Int	Ext	
III	Core Paper -IX Number theory	6	20	120	3	30	70	100
III	Core Paper - X Linear Programming	6	20	120	3	30	70	100
III	Core Paper - XI Graph Theory	6	20	120	3	30	70	100
III	Core Paper - XII Numerical Methods	6	20	120	3	30	70	100
III	Core Paper - XIII Mechanics (Application of Mathematics)	6	20	120	3	30	70	100
IV	EPC 3 – Critical Understanding of ICT	3	20	60		50	--	50
V	Environmental Studies	3	20	60	3	30	70	100
Total		36		720				650

SEMESTER - V

Structure of Four year Integrated Programme B.Sc. B.Ed. Physical Science

(PHYSICS)

SEMESTER V

Part	Study Components – Course Title	Insti.hrs.per week	Weeks per semester	Hours per semester	Exam Hrs	Max. Marks		Total
						Int	Ext	
III	Core Paper- V – Optics	6	20	120	3	30	70	100
III	Core Paper- VI - Atomic Physics and spectroscopy	6	20	120	3	30	70	100
III	Core Paper -VII- Mathematical Physics	6	20	120	3	30	70	100
III	Core Paper VIII- Classical Mechanics and Quantum Mechanics	6	20	120	3	30	70	100
III	Core Practical - III	3	20	60	--	--	--	--
III	Core Practical - IV	3	20	60	--	--	--	--
IV	EPC 3 - Critical Understanding of ICT	3	20	60	--	50	--	50
V	Environmental Studies	3	20	60	3	30	70	100
Total		36		720				550

Structure of Four year Integrated Programme B.Sc. B.Ed. Physical Science

(CHEMISTRY)

SEMESTER V

Part	Study Components – Course Title	Insti.hrs.per week	Weeks per semester	Hours per semester	Exam Hrs	Max. Marks		Total
						Int	Ext	
III	Core Paper V- Inorganic Chemistry –I	6	20	120	3	30	70	100
III	Core Paper VI- Organic Chemistry –I	6	20	120	3	30	70	100
III	Core Paper VII- Physical Chemistry –I	6	20	120	3	30	70	100
III	Elective paper-IA analytical Chemistry	6	20	120	3	30	70	100
III	Core Practical - III	6	20	120	--	--	--	--
IV	EPC 3 - Critical Understanding of ICT	3	20	60		50	--	50
V	Environmental Studies	3	20	60	3	30	70	100
Total		36		720				550

Structure of Four year Integrated Programme B.Sc. B.Ed. Biological Science

(BOTANY)

SEMESTER V

Part	Study Components – Course Title	Insti.hrs.per week	Weeks per semester	Hours per semester	Exam Hrs	Max. Marks		Total
						Int	Ext	
III	Core Paper V Cell Biology and Molecular Biology	6	20	120	3	30	70	100
III	Core Paper VI Physiology and Biochemistry	6	20	120	3	30	70	100
III	Core Paper VII Genetics, Plant Breeding And Evolution	6	20	120	3	30	70	100
III	Core Paper VIII Plant Pathology	6	20	120	3	30	70	100
III	Core Practical - III	3	20	60	--	--	--	--
III	Core Practical - IV	3	20	60	--	--	--	--
IV	EPC 3 - Critical Understanding of ICT	3	20	60		50	--	50
V	Environmental Studies	3	20	60	3	30	70	100
Total		36		720				550

Structure of Four year Integrated Programme B.Sc. B.Ed. Biological Science

(ZOOLOGY)

SEMESTER V

Part	Study Components – Course Title	Insti.hrs.per week	Weeks per semester	Hours per semester	Exam Hrs	Max. Marks		Total
						Int	Ext	
III	Core Paper- V - Developmental biology	6	20	120	3	30	70	100
III	Core Paper- VI- Evolution	6	20	120	3	30	70	100
III	Core Paper -VII- Animal Physiology	6	20	120	3	30	70	100
III	Core Paper VIII- Biochemistry	6	20	120	3	30	70	100
III	Core Practical - III	3	20	60		--	--	--
III	Core Practical - IV	3	20	60		--	--	--
IV	EPC 3 - Critical Understanding of ICT	3	20	60		50	--	50
V	Environmental Studies	3	20	60	3	30	70	100
Total		36		720				550