

BACHELOR OF SCIENCE (HONOURS)

Duration: 36 Months (3 Years) Eligibility: 12th Pass from Science with Minimum 60%

COURSE STRUCTURE OF ZOOLOGY (HONOURS) SEMESTER Ist

Course Details				External Assessment		Internal Assessment				Credit Distribution			Allocated Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional ***		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBHL101H	Ability Enhancement	हिन्दी भाषा और संरचना	50	25	08	10	04	15	06	2	-	-	2
3CBCA201H	Ability Enhancement	Basic Information Computer Technology – I	25	13	04	05	02	07	03	1	-	-	1
3SBZO105H	Core Course - 1	Invertebrates & cell biology	100	50	17	20	08	30	12	4	-	-	4
3SBZO106H	Core Course- 2	Principal of ecology	100	50	17	20	08	30	12	4	-	-	4
	Generic Elective -1	(Select From Below Given Specialized Subject)*	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam		Lab Performance		Sessional					
3SBZO105H	Practical	Invertebrates & cell biology	50	25	08	25	08	-	-	-	-	2	2
3SBZO106H	Practical	Principal of ecology	50	25	08	25	08	-	-	-	-	2	2
	Practical	(Select From Below Given Specialized Subject)*	50	25	08	25	08	-	-	-	-	2	2
3CBCA201H	Practical	Basic Information Computer Technology - I	25	10	04	15	06	-	-	-	-	1	1
Grand Total			550							15	-	07	22

Minimum Passing Marks are equivalent to Grade C

L- Lectures T- Tutorials P- Practical

Major- Term End Theory Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

*** Generic Elective Specialization: Opted specialization by student in 1st Semester will remain same in IInd, IIIrd and IVth Semester (See the specialisation subject as mentioned below)***

Generic Elective- 1		
Specialisation	Course Code	Subject
Botany	3SBBO103H	Bio-Diversity of microbes and cryptogams
Chemistry	3SBCH104H	Chemistry –I

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Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional ***		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBEL201H	Ability Enhancement	English Language and Indian Culture	50	25	08	10	04	15	06	2	-	-	2
3MBFE101H	Ability Enhancement	Fundamental of Entrepreneurship	50	25	08	10	04	15	06	2	-	-	2
3SBZO205H	Core Course-3	Vertebrates & development biology	100	50	17	20	08	30	12	4	-	-	4
3SBZO206H	Core Course-4	Molecular biology	100	50	17	20	08	30	12	4	-	-	4
	Generic Elective -2	(Select From Below Given Specialized Subject)*	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam		Lab Performance		Sessional					
3SBZO205H	Practical	Vertebrates & development biology	50	25	08	25	08	-	-	-	-	2	2
3SBZO206H	Practical	Molecular biology	50	25	08	25	08	-	-	-	-	2	2
	Practical	(Select From Below Given Specialized Subject)*	50	25	08	25	08	-	-	-	-	2	2
Skill Courses								Sessional					
	Skill Enhancement	Skill Enhancement Elective Course-II	50	-	-	-	-	50	20	1	-	1	2
Grand Total			600							17	-	07	24

Minimum Passing Marks are equivalent to Grade C

L- Lectures T- Tutorials P- Practical

Major- Term End Theory / Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Skill Elective II – Any other course being offered in this semester as per the list given at the end of course structure.

* Generic Elective Specialization: Opted Specialization by student in 1st Semester will remain same in IInd, IIIrd and IVth Semester (See the specialisation subject as mentioned below)*

Generic Elective- 2		
Specialisation	Course Code	Subject
Botany	3SBBO203H	Cell biology and genetics
Chemistry	3SBCH204H	Chemistry –II

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COURSE STRUCTURE OF ZOOLOGY (HONOURS) SEMESTER IIIrd													
Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional ***		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBHL302H	Ability Enhancement	हिन्दी भाषा सवेधना एवं संचार साधन	50	25	08	10	04	15	06	2	-	-	2
3CBCA502H	Ability Enhancement	Basic Information Computer Technology – II	25	13	04	05	02	07	03	1	-	-	1
3SBZO305H	Core Course-5	Genetics	100	50	17	20	08	30	12	4	-	-	4
3SBZO306H	Core Course-6	Physical controlling and Coordinating system	100	50	17	20	08	30	12	4	-	-	4
	Generic Elective -3	(Select From Below Given Specialized Subject)*	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam		Lab Performance		Sessional					
3SBZO305H	Practical	Genetics	50	25	08	25	08	-	-	-	-	2	2
3SBZO306H	Practical	Physical controlling and Coordinating system	50	25	08	25	08	-	-	-	-	2	2
	Practical	(Select From Below Given Specialized Subject)*	50	25	08	25	08	-	-	-	-	2	2
3CBCA502H	Practical	Basic Information Computer Technology – II	25	10	04	15	06	-	-	-	-	1	1
Skill Courses								Sessional					
	Skill Enhancement	Skill Enhancement Elective Course-II	50	-	-	-	-	50	20	1	-	1	2

3HBEL402H	Ability Enhancement	English language and scientific temper	50	25	08	10	04	15	06	2	-	-	2
3HBHP401H	Ability Enhancement	Human Values & Ethics	50	25	08	10	04	15	06	2	-	-	2
3SBZO405H	Core Course - 7	Animal Physiology	100	50	17	20	08	30	12	4	-	-	4
3SBZO406H	Core Course- 8	Biochemistry of metabolic process	100	50	17	20	08	30	12	4	-	-	4
	Generic Elective -4	(Select From Below Given Specialized Subject)*	100	50	17	20	08	30	12	4	-	-	4
Practical Group			Term End Practical Exam			Lab Performance		Sessional					
3SBZO405H	Practical	Animal Physiology	50	25	08	25	08	-	-	-	-	2	2
3SBZO406H	Practical	Biochemistry of metabolic process	50	25	08	25	08	-	-	-	-	2	2
	Practical	(Select From Below Given Specialized Subject)*	50	25	08	25	08	-	-	-	-	2	2
Grand Total			550							16	-	06	22

Minimum Passing Marks are equivalent to Grade C

L- Lectures T- Tutorials P- Practical

Major- Term End Theory Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

* Generic Elective Specialization: Opted specialization by student in 1st Semester will remain same in IInd, IIIrd and IVth Semester (See the specialisation subject as mentioned below)*

Generic Elective- 4*		
Specialisation	Course Code	Subject
Botany	3SBBO403H	Structure developments reproduction in flowering plant
Chemistry	3SBCH404H	Chemistry –IV

BACHELOR OF SCIENCE (HONOURS)

Duration: 36 Months (3 Years) Eligibility: 12th Pass from Science with Minimum 60%

COURSE STRUCTURE OF ZOOLOGY (HONOURS) SEMESTER Vth													
Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional ***		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3SBZO501H	Core Course	Applied Zoology	100	50	17	20	08	30	12	4	-	-	4
3SBZO502H	Core Course	Animal Behaviour & Chronobiology	100	50	17	20	08	30	12	4	-	-	4
3SBZO503H	Core Course-	Comparative Anatomy of Vertebrates	100	50	17	20	08	30	12	4	-	-	4
3SBZO504H	Discipline Specific Elective	Group A	100	50	17	20	08	30	12	4	-	-	4
3SBZO505H	Discipline Specific Elective	Group A	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam		Lab Performance		Sessional					
3SBZO501H	Practical	Applied Zoology	50	25	08	25	08	-	-	-	-	2	2
3SBZO502H	Practical	Animal Behaviour & Chronobiology	50	25	08	25	08	-	-	-	-	2	2
3SBZO503H	Practical	Comparative Anatomy of Vertebrates	50	25	08	25	08	-	-	-	-	2	2
3SBZO504H	Practical	Group A	50	25	08	25	08	-	-	-	-	2	2
3SBZO505H	Practical	Group A	50	25	08	25	08	-	-	-	-	2	2
3SBZOH								Sessional					

****	Skill Enhancement	Skill Enhancement Elective Course-II	50	-	-	-	-	50	20	1	-	1	2
Grand Total			800							21	-	11	32

Minimum Passing Marks are equivalent to Grade C L- Lectures T- Tutorials P- Practical

Major- Term End Theory / Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Skill Elective III – Any other course being offered in this semester as per the list given at the end of course structure.

BACHELOR OF SCIENCE (HONOURS)

Duration: 3 Months (3 Years) Eligibility: 12th Pass from Science with Minimum 60%

COURSE STRUCTURE OF ZOOLOGY (HONOURS) SEMESTER VIth

COURSE STRUCTURE OF ZOOLOGY (HONOURS) SEMESTER VIth													
Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional ***		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3SBZO601H	Core Course	Environmental Biology & Evolution	100	50	17	20	08	30	12	4	-	-	4
3SBZO602H	Core Course	Development Biology	100	50	17	20	08	30	12	4	-	-	4
3SBZO603H	Core Course-	Aquatic Biology	100	50	17	20	08	30	12	4	-	-	4
3SBZO604H	Discipline Specific Elective	Group B	100	50	17	20	08	30	12	4	-	-	4
3SBZO605H	Discipline Specific Elective//Project/Dissertation	Group B	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam		Lab Performance		Sessional					
3SBZO601H	Practical	Environmental Biology & Evolution	50	25	08	25	08	-	-	-	-	2	2
3SBZO602H	Practical	Development Biology	50	25	08	25	08	-	-	-	-	2	2
3SBZO603H	Practical	Aquatic Biology	50	25	08	25	08	-	-	-	-	2	2
3SBZO604H	Practical	Group B	50	25	08	25	08	-	-	-	-	2	2
3SBZO605H	Practical/Project/Dissertation	Group B	50	25	08	25	08	-	-	-	-	2	2
Grand Total			750							20	-	10	30

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Minimum Passing Marks are equivalent to Grade C L- Lectures T- Tutorials P- Practical

Major- Term End Theory / Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Compulsory Project/Dessertation with choice in any Disciplinary specific elective. Compulsory one paper presentation certificate in related dicipline.

DISCIPLINE SPECIFIC ELECTIVE

***Note** - Students need to select any two from below mentioned four papers from Each Group Elective's for Fifth and Sixth semester of **B.Sc. Zoology (Honours)**).

ELECTIVES FOR SEMESTER 5 TH			ELECTIVES FOR SEMESTER 6 TH		
Course Code	Course Type	List of Electives	Course Code	Course Type	List of Electives
GROUP ELECTIVE -I			GROUP ELECTIVE -IV		
3SBZO504H	Discipline Specific Elective-I	(Wild life conservation & management)	3SBZO604H	Discipline Specific Elective-I	(Environmental & Public Health)
3SBZO505H	Discipline Specific Elective-II	(Fish & Fishries)	3SBZO605H	Discipline Specific Elective-II	(Aquaculture)
3SBZO506H	Discipline Specific Elective-III	(Industrial Biology)	3SBZO606H	Discipline Specific Elective-III	(Economic Zoology)
3SBZO507H	Discipline Specific Elective-IV	(Insect Vector & Diseases)	3SBZO607H	Discipline Specific Elective-IV	(Biology Insecta)

SKILL ENHANCEMENT ELECTIVE COURSES

Non-Technical			
Elective No.	Department/ Faculty Name		
	Faculty of Information Technology		
I	SCIT 201	Data Entry Operation	2(1+0+1)
II	SCIT 301	Multimedia	2(1+0+1)
III	SCIT 501	Web Designing with HTML	2(1+0+1)
IV	SCMIT 201	Web Development	2(1+0+1)
V	SCMIT 301	LINUX	2(1+0+1)
	Faculty of Management		
I	SMGT 201	Briefing and Presentation Skills	2(1+0+1)
II	SMGT 301	Resolving Conflicts and Negotiation Skills	2(1+0+1)
III	SMGT 802	Entrepreneurship Development	2(1+0+1)
	Faculty of Commerce		
I	SCOM 201	Tally ERP 9	2(1+0+1)
II	SCOM 302	Multimedia	2(1+0+1)

III	SCOM 803	Data Analyst	2(1+0+1)
Faculty of Humanities			
I	SHBA 301	Pursuing Happiness	2(1+0+1)
II	SHBA302	Communication Skill and Personality Development	2(1+0+1)
III	SHMA301	Tourism in M.P	2(1+0+1)
Faculty of Science			
I	SSBI 301	Mushroom Cultivation	2(1+0+1)
II	SSPH 301	House Hold Wiring	2(1+0+1)
III	SSPH 301	Basic Instrumentation	2(1+0+1)
IV	SSPH 301	DTP Operator	2(1+0+1)
V	SSCH 301	Graphic Designing	2(1+0+1)
Faculty of Education			
I	SCBE 403	Understanding of ICTC (Information Communication Technology)	2(1+0+1)
II	SCPE 201	Yoga Education	2(1+0+1)