

# Swami Vivekanand University, Sagar (M.P.)

As per model syllabus of U.G.C. New Delhi, drafted by  
Central Board of Studies and Approved by Higher  
Education and the Governor of M.P.



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**Faculty of Science**

**Syllabus & Prescribed Books**

**Subject-Zoology**

**M.Sc. Semester Examination**

**2016-18**

**I to IV Semester**

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## COURSEWISE SCHEME

### I<sup>st</sup> SEMESTER

1. Course Code	: MSCZOO	5. Total Practical	: 2
2. Course Name	: M.Sc. Zoology	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CC E		Total Marks		Max.	Min.	Max.	Min.	
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.					
<b>Compulsory</b>															
MSCZOO 101	Biosystematics, Taxonomy & Evolution	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 102	Structure & Function of Invertebrates	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 103	Quantitative Biology, Biodiversity and Wild Life	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 104	Bio Molecules & Structural Biology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 105	<b>Practical-I</b> Related to Theory Paper I & II	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCZOO 106	<b>Practical-II</b> Related to Theory Paper III & IV	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME

### II<sup>nd</sup> SEMESTER

1. Course Code	: MSCZOO	5. Total Practical	: 2
2. Course Name	: M.Sc. Zoology	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theor										Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.	
		1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.					
<b>Compulsory</b>															
MSCZOO 201	General and Comparative animal physiology and endocrinology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 202	Population Ecology and Environmental physiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 203	Tools and techniques in biology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 204	Molecular cell Biology and Genetics	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 205	<b>Practical-I</b> Related to Theory Paper I & II	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCZOO 206	<b>Practical-II</b> Related to Theory Paper III & IV	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME III<sup>rd</sup> SEMESTER

1. Course Code	: MSCZOO	5. Total Practical	: 2
2. Course Name	: M.Sc. Zoology	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.	
		1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.					
<b>Compulsory</b>															
MSCZOO 301	Comparative anatomy of vertebrates	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 302	Limnology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 303	Ecotoxicology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 304	Aquaculture	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 305	<b>Practical-I</b> Related to Theory Paper I & II	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCZOO 306	<b>Practical-II</b> Related to Theory Paper III & IV	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME IV<sup>th</sup> SEMESTER

1. Course Code	: MSCZOO	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Zoology	7. Project Marks	: 50
3. Total Theory Subject	: 4	8. Total Marks	: 350
4. Total Theory Marks	: 200	9. Minimum Passing Percentage	: 36
5. Total Practical	: 2		

Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks			Max.	Min.	Max.	Min.
		1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.					
<b>Compulsory</b>															
MSCZOO 401	Animal Behavior and Neurophysiology	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 402	Gamete Biology, Development and Differentiation	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 403	Icthyology ( Fish) Structure and Function	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 404	Pisci Culture and Economic Importance of Fishes (Icthyology)	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCZOO 405	<b>Practical-I</b> Related to Theory Paper I & II	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCZOO 406	<b>Practical-II</b> Related to Theory Paper III & IV	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCZOO 407	<b>Project work</b>	0	0	0	0	0	0	0	50	18	0	0	50	18	