

## (6) MASTER OF SCIENCE IN ZOOLOGY. (M.SC. IN ZOOLOGY)

### Structure and Brief Syllabi

**Objective:** - The science that explains the world of animals, their evolution to the present forms over time, their habitats and food habits, and their co-existence with each other is called zoology. It is legitimate to question the importance of zoology for starters. However, imagine how bewildering it would be to observe all these different live forms around us, some of them with features common to human beings. Humans appreciate life and nature, and animals form an integral form of our natural surroundings. Thus, knowledge of zoology is essential to experience the wonders of nature in the fullest.

**Eligibility Criteria for Admission:** – Graduate in Zoology.

**Scheme of Examination-** M.Sc. in Zoology is of two years duration divided into Part-I and Part-II, each Part consisting of eight papers. Each paper carries 100 marks, divided into term end theoretical written examination and practical work in a ratio of 80:20. Failure in one paper will mean failure in that Part of the examination. Hence, students must strive to pass in all the papers. It is necessary to pass Part-I of the examination before a student can be promoted to Part-II. In order to pass each part of the examination, it is, now, compulsory for every student, to secure atleast 33% of marks in each paper. To determine 33% of marks in each paper, the marks obtained by the candidate, both in the term end theoretical written examination and the practical examination, will be clubbed and counted together and percentage determined accordingly. However, if a candidate has failed to appear or secured zero mark in term end theoretical examination or practical examination, in any paper, he/she will be deemed to have failed in that paper and the part. The abstract of the syllabus of M.Sc. in Zoology course is as below

Paper	Title of the paper	Distribution of Marks between Theory and Assignment		Minimum Marks required to pass the examination (written exam. + practical)
		Written exam	Practical	
<b>PART-I</b>				
1.	Non-Chordates and Chordates	80	20	33
2	Taxonomy, Biodiversity and Conservation	80	20	33
3	Ecology, Environmental Biology and Toxicology	80	20	33
4	Ethology and Evolution	80	20	33
5	Animal Physiology and Biochemistry	80	20	33
6	Cytogenetics and Microdrial genetics	80	20	33
7	Molecular Biology and Genetics	80	20	33
8	Basic, Physical and Chemical Principles and Instrumentation	80	20	33
<b>Total</b>		<b>640</b>	<b>160</b>	<b>264</b>
<b>PART-II</b>				
9	Quantitative Biology and Micro-biology	80	20	33
10	Bio-technology and Bio-sensor	80	20	33
11	Immunology, Cells and Tissues	80	20	33
12	Parasitology and Molecular basis of Antigenic Diversity in Parasites	80	20	33
13	Developmental Biology and Role of Thyroxin in Amphibians	80	20	33
14	Endocrinology and Advenal cortex	80	20	33
15	Applied Entomology.	80	20	33
16	Ichthyology and Inland Fisheries	80	20	33
<b>Total</b>		<b>640</b>	<b>160</b>	<b>264</b>