

Scheme of teaching and examination for M. Sc. Zoology (CBCS) As per NEP 2020
Structure and Credit Distribution of PG Degree Program for Two years
Choice Based Credit System (Semester Pattern)
With Effect from 2023-2024

M. Sc. ZOOLOGY Semester I												
Course Category	Code	Theory / Practical	Teaching scheme (Hours / Week)			Credits	Examination Scheme					
			Theory	Practical	Total		Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								SEE	CIE		Theory	Practical
DSC	MZO1T01	Paper 1: Biology of Non-Chordata	4	-	4	4	3	80	20	100	40	-
DSC	MZO1T02	Paper 2: Cell Biology and Genetics	4	-	4	4	3	80	20	100	40	-
DSE	MZO1T03	Paper 3: Electives (Choose any one) a) Mammalian Reproductive Physiology – Male b) Digestive and Excretory Physiology c) General Fish Biology d) General Entomology	4	-	4	4	3	80	20	100	40	-
RM	MZO1T04	Paper 4: Research Methodology	4	-	4	4	3	80	20	100	40	-
DSC	MZO1P01	Practical 1: Biology of Non-Chordata	-	6	6	3	3-8*	50	50	100	-	50
DSC	MZO1P02	Practical 2: Cell Biology and Genetics (Including Research Methodology)	-	6	6	3	3-8*	50	50	100	-	50
TOTAL			16	12	28	22	--	420	180	600	160	100

CIE = Continuous Internal Evaluation and SEE = Semester End Examination

M. Sc. ZOOLOGY Semester II												
Course Category	Code	Theory / Practical	Teaching scheme (Hours / Week)			Credits	Examination Scheme					
			Theory	Practical	Total		Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								SEE	CIE		Theory	Practical
DSC	MZO2T05	Paper 5: Biology of Chordata	4	-	4	4	3	80	20	100	40	-
DSC	MZO2T06	Paper 6: Advanced Developmental Biology	4	-	4	4	3	80	20	100	40	-
DSE	MZO2T07	Paper 7: Electives (Choose any one) a) Mammalian Reproductive Endocrinology b) Brain and Muscle Physiology c) Economic Aquaculture d) Insect Morphology and Physiology	4	-	4	4	3	80	20	100	40	-
OJT	MZO2P03	Practical 3: On Job Training/ Field Project	-	8	8	4	3-8*	50	50	100	-	50
DSC	MZO2P04	Practical 4: Biology of Chordata	-	6	6	3	3-8*	50	50	100	-	50
DSC	MZO2P05	Practical 5: Advanced Developmental Biology	-	6	6	3	3-8*	50	50	100	-	50
TOTAL			12	20	32	22	-	390	210	600	120	150

CIE = Continuous Internal Evaluation and SEE = Semester End Examination

M. Sc. ZOOLOGY Semester III												
Course Category	Code	Theory / Practical	Teaching scheme (Hours / Week)			Credits	Examination Scheme					
			Theory	Practical	Total		Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								SEE	CIE		Theory	Practical
DSC	MZO3T08	Paper 9: Parasitology and Immunology	4	-	4	4	3	80	20	100	40	-
DSC	MZO3T09	Paper 10: Wild Life and Avian Biology	4	-	4	4	3	80	20	100	40	-
DSC	MZO3T10	Paper 11: Comparative Endocrinology	4	-	4	4	3	80	20	100	40	-
DSE	MZO3T11	Paper 12: Elective (Choose any one) a) Mammalian Reproductive Physiology in Female b) Blood and Cardiac Physiology c) Fish Physiology d) Insect Pest Management	4	-	4	4	3	80	20	100	40	-
DSE	MZO3P06	Practical 6: Based on Elective subject	-	4	4	2	3-8*	50	50	100	-	50
RP	MZO3P07	Research Project (RP)	-	8	8	4	3-8*	50	50	100	-	50
TOTAL			16	12	28	22	-	420	180	600	160	100

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M. Sc. ZOOLOGY Semester IV												
Course Category	Code	Theory / Practical	Teaching scheme (Hours / Week)			Credits	Examination Scheme					
			Theory	Practical	Total		Duration in hrs.	Max. Marks		Total Marks	Minimum Passing Marks	
								SEE	CIE		Theory	Practical
DSC	MZO 4T12	Paper 13: Biotechnique, Biostatistics, Toxicology and Bioinformatics	4	-	4	4	3	80	20	100	40	-
DSC	MZO 4T13	Paper 14: Radiation and Chronobiology	4	-	4	4	3	80	20	100	40	-
DSC	MZO4T14	Paper 15: Molecular Biology and Biotechnology	4	-	4	4	3	80	20	100	40	-
DSE	MZO 4T15	Paper 16: Elective (Choose any one) a) Mammalian Reproductive Toxicology b) Respiratory and Reproductive Physiology c) Fishery Technology and Fish Pathology d) Medical, Veterinary and Industrial Entomology	4	-	4	4	3	80	20	100	40	-
RP	MZO 4P08	Research Project (RP)	-	12	12	6	3-8*	100	100	200	-	100
TOTAL			16	12	28	22	-	420	180	600	160	100

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