

**Choice Based Credit System (CBCS)  
Scheme of Examination  
M.Sc. Zoology w.e.f. session 2011-12**

<b>SEMESTER I – Dec 2011</b>		
<b>Course No.</b>	<b>Course Title</b>	<b>Theory+Int.</b>
Zoo-101.	Biomolecules	80+20
Zoo-102.	Techniques in Animal Science	80+20
Zoo-103	Animal Cell Biology	80+20
Zoo-104	Computer & Biostatistics	80+20
ZoE-105	System Biology	80+20
ZoE-106	Communication Skill in Life Science	80+20
Zoo-107	Seminar-I	50
Zoo-108	Lab Course -I (Based on Zoo-101-106)	150
	<b>Total Marks</b>	<b>700</b>
<b>SEMESTER II – May 2012</b>		
Zoo- 201	Developmental Biology	80+20
Zoo- 202	Advanced Physiology	80+20
Zoo- 203	Molecular Biology	80+20
Zoo- 204	Cell function & Metabolic Regulation	80+20
ZoE- 205	Evolutionary Biology	80+20
ZoE- 206	Animal Biotechnology	80+20
Zoo- 207	Self Study	50
Zoo- 208	Seminar-II	50
Zoo- 209	Lab Course-II (Based on Zoo-201-206)	150
	<b>Total Marks</b>	<b>750</b>
<b>SEMESTER III - Dec 2013</b>		
Zoo -301	Animal Diversity of Invertebrates	80+20
Zoo -302	Molecular Endocrinology	80+20
Zoo -303	Immunology	80+20
Zoo -304	Molecular Cytogenetics	80+20
ZoE -305	Population Genetics	80+20
ZoE -306	Environmental Biology	80+20
Zoo-307	Lab Course-III (Based on Zoo-301-306)	150
	<b>Total</b>	<b>650</b>
<b>SEMESTER IV - May 2014</b>		
Zoo- 401	Animal Diversity of Vertebrates	80+20
Zoo-402	Microbial Genetics	80+20
Zoo -403	Biosafety & Ethics in Science	80+20
Zoo- 404	Dissertation	200
Zoo- 405	Lab Course-IV (Based on Zoo - 401-403)	100
	<b>Total Marks</b>	<b>600</b>
	<b>Grand Total</b>	<b>2700</b>

Scheme of Examination

Semester	Course No.	Course Title	Credit	Marks
I	GENOM -101.	Biomolecules	CP 4	80
	GENOM -102.	Techniques in Animal Science	CP 4	80
	GENOM -103	Animal Cell Biology	CP 4	80
	GENOM -104	Computer & Biostatistics	CP 4	80
	GENOM -105	Programme elective (PE)	PE 3	80
		i. System Biology		
		ii. Communication skill in life science		
	GENOM -IA-I	Internal Assessment		20 in each Theory paper
	GENOM –Sem-I	Seminar	2	50
	GENOM -LC-I	Laboratory Course	10	150
	<b>Total Marks (Semester I)</b>		<b>700</b>	
11	GENOM - 201	Developmental Biology	CP 4	80
	GENOM - 202.	Advanced Physiology	CP 4	80
	GENOM - 203.	Molecular Biology	CP 4	80
	GENOM -204.	Cell function & metabolic regulation	CP 4	80
	GENOM -205.	Programme elective (PE)	PE 3	80
		i. Evolutionary Biology		
		ii. Introduction to Proteomics		
	GENOM -IA-II	Internal Assessment		20 in each Theory paper
	GENOM -SS	Self Study	3	50
	GENOM -Sem-II	Seminar	2	50
GENOM -LC-II	Laboratory Course	10	150	
	<b>Total Marks (Semester II)</b>		<b>750</b>	
111	GENOM -301	Bacterial & eukaryotic genomics	CP 4	80
	GENOM -302	Biochemistry and metabolic disorder	CP 4	80
	GENOM -303	Human structural and functional genomics	CP 4	80
	GENOM -304	Human Molecular Genetics	CP 4	80
	GENOM -305	Programme elective	PE 3	80
		i. Immunogenetics		
		ii. Neurogenetics		
	GENOM -IA-III	Internal Assessment		20 in each Theory paper
	GENOM -LC-III	Laboratory Course	10	150
		<b>Total Marks (Semester 111)</b>		<b>650</b>
1V	GENOM - 401	Clinical genetics & counseling	CP 4	80
	GENOM -402	Genomic instability & diseases	CP 4	80
	GENOM -403	Bioinformatics	OE 3	80
	GENOM -404	Dissertation	24	300
	GENOM -IA-IV	Internal Assessment		20 in each Theory paper
	GENOM-TT	Tutorial I & II	2	
		<b>Total Marks (Semester IV )</b>		<b>600</b>
	<b>Grand total</b>		<b>2700</b>	

