

12/10/2015

## M.Sc. Zoology 2015-2017

### Choice Based Credit System

#### Course Structure and Scheme of Examination

#### SEMESTER I

Code	Course	C/E/S	L	T	P	Credit	Marks
CBCSZ-101	Non-chordata	Core	3		0	3	100
CBCSZ - 102	Chordata	Core	3		0	3	100
CBCSZ - 103	Cell Structure and Function	Core	3		0	3	100
CBCSZ - 104	Biochemical & Molecular Techniques and Biostatistics & Bioinformatics	Core	3		0	3	100
CBCSZ - 105	Practical	Core	0		3	3	100
CBCSZ - 106	Practical	Core	0		3	3	100
CBCSZ - 107	Assignment/Skill development	Core				1	100
CBCSZ - 108	Seminar-I	Core				1	100
CBCSZ - 109	Comprehensive viva-voce exam	Virtual credit				4	100
						24	900

**Total Credit Value: #24**

#### SEMESTER II

Code	Course	C/E/S	L	T	P	Credit	Marks
CBCSZ - 201	Cytogenetics and Genetics	Core	3		0	3	100
CBCSZ - 202	Developmental Biology	Core	3		0	3	100
CBCSZ - 203	Histology and Molecular Histochemistry	Core	3		0	3	100
CBCSZ - 204	Biochemistry and Mammalian Physiology	Core	3		0	3	100
CBCSZ - 205	Practical	Core	0		3	3	100
CBCSZ - 206	Practical	Core	0		3	3	100
CBCSZ - 207	Assignment/Skill development	Core				1	100
CBCSZ - 208	Seminar-II	Core				1	100

CBCSZ - 209	Comprehensive viva-voce exam	Virtual credit				4	100
						24	900

**Total Credit Values: #24**

**SEMESTER III**

Code	Course	C/E/S	L	T	P	Credit	Marks
CBCSZ - 301	Animal Behaviour	Core	3		0	3	100
CBCSZ - 302	Immunology and Parasitology	Core	3		0	3	100
CBCSZ - 303	Major Elective-I	Elective C/	3		0	3	100
CBCSZ - 304	Major Elective-II	Elective C/	3		0	3	100
CBCSZ - 305	Practical	Core			3	3	100
CBCSZ - 306	Practical	Elective C			3	3	100
CBCSZ - 307	Assignment/Skill development	Elective C/G	1			1	100
CBCSZ - 308	Seminar-III	Elective C/G				1	100
CBCSZ - 309	Comprehensive viva-voce exam	Virtual credit				4	100
						24	900

**Total Credit Values: #24**

**SEMESTER IV**

Code	Course	C/E/S	L	T	P	Credit	Marks
CBCSZ -401	Taxonomy and Evolution	Core	3		0	3	100
CBCSZ -402	Animal Ecology	Core	3		0	3	100
CBCSZ -403	Major Elective-III	Elective C	3		0	3	100
CBCSZ -404	Major Elective-IV	Elective C	3		0	3	100
CBCSZ -405	Practical	Core			3	3	100
CBCSZ -406	Practical	Elective C			3	3	100
CBCSZ -407	Assignment/Skill development	Elective C/G	1			1	100
CBCSZ -408	Seminar-IV	Elective C/G				1	100

CBCSZ -409	Comprehensive viva-voce exam	Virtual credit				4	100
						24	900

### Major Electives

(Details will be provided with the syllabus for Sem. III & IV)

#### A: Aquatic Biology and Aquaculture

##### SEMESTER III

Code	Course	C/E/S	L	T	P	Credit	Marks
	Aquatic Ecology & Resources		3		0	3	100
	Fish Biology & Physiology		3		0	3	100
	Aquatic Biology & Fish Biology (Practical)				3	3	100

##### SEMESTER IV

Code	Course	C/E/S	L	T	P	Credit	Marks
	Fisheries & Pisciculture		3		0	3	100
	Aquaculture		3		0	3	100
	Fisheries, Pisciculture & Aquaculture (Practical)				3	3	100

#### B: CELLULAR NEUROBIOLOGY AND HUMAN GENETICS

##### SEMESTER III

Code	Course	C/E/S	L	T	P	Credit	Marks
	Cellular Neurobiology		3		0	3	100
	Methods in molecular genetic analysis		3		0	3	100
	Methods in cell and molecular biology				3	3	100

##### SEMESTER IV

Code	Course	C/E/S	L	T	P	Credit	Marks
	Cellular basis of brain function		3		0	3	100
	Human genetics and Cancer		3		0	3	100
	Neurobiology and Human genetics				3	3	100



## C: Endocrinology

### SEMESTER III

Code	Course	C/E/S	L	T	P	Credit	Marks
	Comparative Endocrinology		3		0	3	100
	Endocrine Physiology		3		0	3	100
	General & Comparative Endocrinology & Endocrine Physiology (Practical)				3	3	100

### SEMESTER IV

Code	Course	C/E/S	L	T	P	Credit	Marks
	Male Reproductive Endocrinology		3		0	3	100
	Female Reproductive Endocrinology		3		0	3	100
	Reproductive Endocrinology (Practical)				3	3	100

## D: Entomology

### SEMESTER III

Code	Course	C/E/S	L	T	P	Credit	Marks
	General Entomology & Insect Morphology		3		0	3	100
	Insect Anatomy & Physiology		3		0	3	100
	General Entomology (Practical)				3	3	100

### SEMESTER IV

Code	Course	C/E/S	L	T	P	Credit	Marks
	Insect Taxonomy, Ecology & Development		3		0	3	100
	Applied Entomology		3		0	3	100
	Insect Taxonomy, Ecology & Development & Applied Entomology (Practical)				3	3	100



