

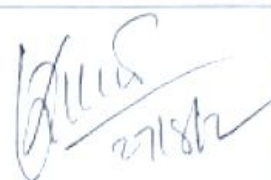
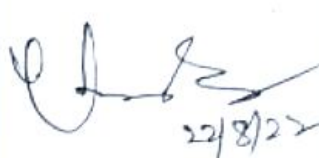



RAYALASEEMA UNIVERSITY:: KURNOOL
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF ZOOLOGY

27.08.2022

MINUTES OF THE MEETING

The minutes of the meeting of Board of Studies in Zoology held on 27.08.2022 in the Department of Zoology, Rayalaseema University, Kurnool with the following members.

S.No.	Name of the Member	Designation	Signature
1.	Prof. LOKANATHA VALLURU Department of Zoology Rayalaseema University Kurnool Mobile: 9652840923 e-mail: lokanath.valluru@gmail.com	Chairman	 27/8/22
2.	Prof. K. SATHYAVELU REDDY Department of Zoology S.V. University Tirupati Mobile: 9849023339 e-mail: sathyakreddy56@gmail.com	Member	 27/8/22
3.	Prof. G. H. PHILLIP Department of Zoology S.K. University Anathapuramu Mobile: 944027788 e-mail: gundalahphilip@gmail.com	Member	Absent
4.	Prof. B. SENTHILKUMARAN Department of Animal Biology University of Hyderabad Gachibowli, Hyderabad Mobile: 040-23134562 e-mail: bsksl@uohyd.ernet.in	Member	Absent
5.	Prof. EDUKONDALA RAO Dept. of Marine Resources Andhra University, Vishakaptnam Mobile: 9490132294 e-mail: raopykmlrau@gmail.com	Member	Absent
6.	Mr.B. NAGI REDDY Director, Rathana Biotech Pvt. Ltd Kolamasenapalli Palmaneuru, Chittoor (Dist) Mobile: 9347383024 e-mail: rathnabiotech@yahoo.co.in	Member	Absent
7.	Prof. P. Jacob Doss Dept. of Zoology S.V. University Tirupati-517 502 Mobile: 817919319	Special Invitee	

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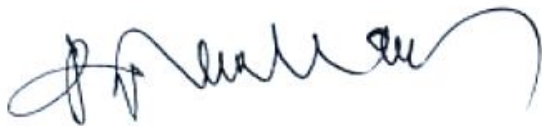
The Committee thoroughly prepared the contents of the syllabai for the theory and practicals of I, II, III and IV semester of M.Sc., Zoology course under CBCS system and also recommended books for the course. The committee finalized the list of examiners/ paper setters for I, II, III and IV semesters of M.Sc., Zoology which will be commenced from the academic year 2021-22 onwards.

Resolutions:

1. Resolved to approve the syllabai of theory, practicals for M.Sc., Zoology course under CBCS system.
2. Resolved to approve the list of examiners/ paper setters, grading systems and also the model question papers for Zoology course for the academic year 2021-22 onwards.
3. Resolved to approve that the faculty shall have 3 years minimum experience in the Department of Zoology for paper valuation and paper setting.

 22/8/22

 27/8/22



RAYALASEEMA UNIVERSITY::KURNOOL

M.Sc., ZOOLOGY (CBCS)
(Syllabus w.e.f. academic year 2021-22 onwards)

I SEMESTER

S. No	Course Components	Course Code	Course Title	No. of Credits	SEE Duration hr.	Total Marks	
						IAE	SEE
I SEMESTER THEORY							
1	Mandatory Core	Zoo-101	Comparative Anatomy of Invertebrates and Vertebrates	4	3	20	80
2	Mandatory Core	Zoo-102	Animal Ecology and Environmental Biology	4	3	20	80
3	Compulsory foundation	Zoo -103	Cell Biology	4	3	20	80
4	Internal Elective	Zoo -104	Internal Elective: (Elective) a. Microbiology b. Pathobiology c. Animal Behaviour	4	3	20	80
5.	Audit course	Zoo-AC-1	Ethical in biological research	-	-	-	-
PRACTICAL							
1	LAB-I	Zoo-101P & Zoo-102P	Comparative Anatomy of Invertebrates and Vertebrates & Animal Ecology and Environmental Biology	4	8	30	70
2	LAB-II	Zoo-103P & Zoo-104P	Cell Biology & Internal Elective	4	8	30	70
No. of Credits : 24; Sub total = 600				24	-	140	460

RAYALASEEMA UNIVERSITY::KURNOOL
M.Sc., ZOOLOGY (CBTs)
(Syllabus w.e.f. academic year 2021-22 onwards)

II SEMESTER

S. No	Course Components	Course Code	Course Title	No. of Credits	SEE Duration hr.	Total Marks	
						IAE	SEE
II SEMESTER THEORY							
1	Mandatory Core	Zoo-201	Tools and Techniques in Biology	4	3	20	80
2	Compulsory Foundation	Zoo-202	Biomolecules: Structure and Function	4	3	20	80
3	Internal Elective	Zoo -203	Internal Elective (IE) a. Ecotoxicology b. Neurobiology c. Biostatistics	4	3	20	80
4	Open Elective	Zoo -204	Open Elective (OE) a. Biodiversity and Wildlife Conservation b. Human Health and Disease Management c. Entomology	4	3	20	80
5.	Audit course	Zoo-AC-2	Intellectual Property Rights, Biosafety & Bioethics	-	-	-	-
PRACTICAL							
1	LAB-I	Zoo-201P & Zoo-202P	Tools and Techniques in Biology & Biomolecules: Structure and Function	4	8	30	70
2	LAB-II	Zoo-203P & Zoo-204P	Internal Elective (IE) & Open Elective (OE)	4	8	30	70
3.	Comprehensive viva	Zoo-Viva-1	Viva-voce	1	-	-	50
No. of Credits: 25 Sub total = 650				25	-	140	510

RAYALASEEMA UNIVERSITY::KURNOOL
M.Sc., ZOOLOGY (CBCS)
(Syllabus w.e.f. academic year 2021-22 onwards)

III SEMESTER

S. No	Course Components	Course Code	Course Title	No. of Credits	SEE Duration hr.	Total Marks	
						IAE	SEE
III SEMESTER THEORY							
1	Mandatory Core	Zoo-301	Genetics and Evolution	4	3	20	80
2	Mandatory Core	Zoo-302	Animal Physiology and Endocrinology	4	3	20	80
3	Internal Elective	Zoo -303	Internal Elective (IE) a. Molecular Biology b. Applied Zoology c. Computational Biology & Bioinformatics	4	3	20	80
4	Open Elective	Zoo -304	Open Elective (OE) a. Dairy Technology b. Poultry c. Vaccines	4	3	20	80
PRACTICAL							
1	LAB-I	Zoo-301P & Zoo-302P	Genetics and Evolution & Animal Physiology and Endocrinology	4	8	30	70
2	LAB-II	Zoo-303P & Zoo-304P	Internal Elective (IE) & Open Elective (OE)	4	8	30	70
			No. of credits: 24 Sub total = 600	24	-	140	560

RAYALASEEMA UNIVERSITY::KURNOOL
M.Sc., ZOOLOGY (CBCS)
(Syllabus w.e.f. academic year 2021-22 onwards)

IV SEMESTER

S. No	Course Components	Course Code	Course Title	No. of Credits	SEE Duration hr.	Total Marks	
						IAE	SEE
IV SEMESTER THEORY							
1	Mandatory Core	Zoo-401	Developmental Biology	4	3	20	80
2	Mandatory Core	Zoo-402	Metabolic Regulation and Cell Function	4	3	20	80
3	Skilled Oriented Course (SOC) / Internal Elective	Zoo -403	Skilled Oriented Course (SOC) / Internal Elective (IE) a. Immunology b. Animal Biotechnology c. Molecular Therapeutics (2 out of 3 electives shall be opted)	4	3	20	80
	Open Elective	Zoo-404	Open Electives (OE) a. Aquaculture b. Sericulture c. Aquatic resources & conservations	4	3	20	80
PRACTICAL							
1	LAB-I	Zoo-401P & Zoo-402P	Developmental Biology & Metabolic Regulation and Cell Function	4	8	30	70
2	Compulsory Project	Zoo-405PW	Project work and dissertation	4	--	-	100
3	Comprehensive viva	Zoo-Viva-2	Comprehensive Viva-voce	1	-	-	50
			No. of Credits: 25 Sub total = 650	25	-	110	540

Total Credits: 24+25+24+25=98 ; Total Marks: 600+650+600+650=2500

IAE: Internal Assessment Examination - 20 marks; SEE: Semester End Examination (both theory and Practicals)