

Zone:

District:

Name of the College and Address

SKR COLLEGE FOR WOMEN, RAJAHENDRAVARAM.

Name of the Lecturer

M. KASMA

Name of the Subject

ZOOLOGY

Date of Joining in Degree College/Date

08-08-2012

Date of Retirement

28-02-2048

S.No	Key Indicator	List of files/ documents to be kept ready as a proof of Key Indicator	Information in support of the key indicator	Key Aspect Scores	Predetermined Weightage (Wi) for Key Indicator	Key Indicator Grade Points (KIGP) (A=3; B=2; C=1; D=0)	Key Indicator Wise Weighted Grade Points (KIWWGP) = KIGP X Wi	KIWWGP as per Academic Advisor's grading	Guidelines
<b>I-CURRICULAR ASPECTS</b>									
1	Curricular Planning and Implementation (for Autonomous Colleges - Efforts for Curriculum Design and Development to be considered)	Preparation and Implementation of		Course wise/Sem wise Records for the Academic Year	2x5 = 10	30	B	40	1) All five key indicators =3 Grade points/A 2) Any four key indicators =2 Grade points B 3) Any two key indicators =1 Grade points C 4) No Indicator =0/D
		1. Annual Academic Curriculum Plan	2. Course Objectives & Outcomes	Course wise/Sem wise Records for the Academic Year	2x5 = 10				
		3. Teaching Diary	4. Lesson Plans	Invitation Letter & Attendance	10				
		5. Active Participation in BOS		a) Course wise Sem wise additional inputs Reports	10				
				b) Report on Certificate/ Diploma c) Any Online courses like MOOCs	2x5=10				
2	Curriculum Flexibility Enrichment	1. Additional inputs related to Curriculum of the courses taught				20	B	30	1) All three key indicators =3 Grade points A 2) Any two key indicators =2 Grade points B 3) Any one key indicator =1 Grade point C 4) No Indicator =0/D
		2. Value added courses offered & completed	a) Certificate b) Diploma c) Any Online courses like MOOCs						
3	Feedback system	Feedback on Curriculum by Students				10	A	30	1) All three key indicators =3 Grade points/A 2) Any two key indicators =2 Grade points B 3) Any one key indicator =1 Grade point C 4) No Indicator =0/D
		a) Collected b) Analyzed c) Action taken	Course wise/Sem wise a) Reports of Feedback b) Analysis Reports c) Action taken Report						
<b>II-TEACHING, LEARNING &amp; EVALUATION</b>									
4	Catering to Student Diversity	1. Report on grouping of students into Slow, Moderate and Advanced learners 2. Course wise activities designed for Slow, Moderate and Advanced learners	1. Course wise/Sem wise Reports with lists of students (Slow, Moderate and Advanced learners) 2. Course wise/Sem wise Activities designed for Slow, Moderate and Advanced learners	10	20	A	30		1) All three key indicators =3 Grade points A 2) Any two key indicators =2 Grade points B 3) Any one key indicator =1 Grade point C 4) No Indicator =0/D
		1. Report on Course wise Bridge Courses conducted 2. Report on Course wise Remedial coaching conducted	1. Course wise/Sem wise Reports on Bridge Courses conducted 2. Course wise/Sem wise Report on Remedial coaching conducted	2x5=10					

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5	Teaching-Learning Process	1. Report on student centered methods implemented (Course wise) 2. Report on implementation of ICT in teaching and learning (Course wise) or Report on implementation of Computer/Internet assisted learning (Course wise) 3. Report on the Use of LMS tools (Course wise) 4. Contribution for the development of LMS in the concerned subject 5. Report on innovative pedagogical Tools used	Course wise/ Sem wise Reports	50	50	B	100		1) All five key indicators =3 Grade points/A 2) Any three key indicators =2 Grade points/B 3) Any two key indicator =1 Grade point/C 4) Below two=0/D
6	Teacher Profile and Quality	1. Report on Seminars/Conferences/ Workshops/ Guest Lectures organized 2. Report on Participation in Seminars/Conferences/Workshops/ Guest Lectures/ Invited talks 3. Awards and recognition 4. Participation in Short term/ Orientation /Refresher courses/FDPs 5. E- Content Development /MOOCs (Massive Open Online Courses) 6. Additional Qualifications acquired during the last two years	Reports and Certificates	30	30	B	60		1) Any five key indicators =3 Grade points A 2) Any three key indicators =2 Grade points B 3) Any two key indicator =1 Grade point C 4) Below two =0/D
7	Evaluation Process and Reforms	1. Report on Formative Evaluation (CIE) 2. Assignments-Critical, Innovative, text book and Internet based 3. Involvement in Summative evaluation 4. Maintaining Marks Register & Result Analysis register	Department wise reports regarding 1. Mid exams, Seminar Reports, Assignment books, Projects and any other tools of Internal Assessment 2. Departmental Internal Marks Register for CIA verified by the Principal	10 10 5 5	30	A	90		1) All four key indicator Metrics =3 Grade points/A 2) Metrics 1, 2, 4 =2 Grade points B 3) Metrics 1, 2, 3 =1 Grade point/C 4) Below two =0/D
8	Student Performance and Learning Outcomes	1. Announcement and Attainment of Course Outcomes 2. Report on Student seminars/ Student demonstrations (Course wise) 3. Report on activities like Quiz/ Group discussion/ Poster presentation (Course wise) 4. Report on Field trips (Course wise) 5. Report on Student Study projects (Course wise)	Course wise Reports	5x6=30	30	A	90		1) All five key indicators =3 Grade points A 2) First KI Metric and any three other =2 Grade points B 3) First KI Metric and any two other =1 Grade point C 4) Below two =0/D

Key Indicator	List of files/ documents to be kept ready as a proof of Key Indicator	Information in support of the key indicator	Key Aspect Scores	Predetermined Weightage (Wi) for Key Indicator	Key Indicator Grade Points (KIGP) (A =3; B=2; C=1; D=0)	Key Indicator Wise Weighted Grade Points (KIWWGP) = KIGP X Wi	KIWWGP as per Academic Advisor's grading	Guidelines
<b>III-RESEARCH, INNOVATIONS AND EXTENSION</b>								
9	Funding obtained for Research (Govt./Non-Governmental Bodies)	1. Minor Research Projects 2. Major Research Projects 3. Consultancy Projects	Letter of intimation and award letters (For Current Year only Either Ongoing OR Completed )	5 10 5	20	-	-	1) All three key indicators =3 Grade points/A 2) Any two key indicators =2 Grade points/B 3) Any one key indicator =1 Grade point C
10	Research Publications and Awards	1. Papers Published in Journals / Chapters published in edited volumes 2. Books published as single author 3. Books published as Co-Author 4. Papers/Chapters published as Co-Author (Note: A maximum of 3 publications in Scopus/Web of Science/ICI or UGC -CARE Listed journals/Any book with ISBN shall be considered) 5. Research Guideship 6. Awards in recognition of research work		10 15 10 5  10 10	60	-	-	1) Any three key indicators =3 Grade points/A 2) Any two key indicators =2 Grade points/B 3) Any one key indicator =1 Grade point C 4) No Indicator=0/D
11	Extension Activities	Academic Extension activities through DRC/ Faculty Outreach (Curriculum/ Skill/Domain related)	Reports in the NAAC format	10	20	A	30	1) All three key indicators =3 Grade points A 2) Any two key indicators =2 Grade points/B 3) Any one key indicator =1 Grade point C 4) No Indicator=0/D
		Involvement in activities related to community service a. Sensitising the students about the value of Community Service b. Organising the activity (A maximum of 5 Programmes resulting in Community Service like ODF/Swachh Bharat/UBA etc)	Reports in the NAAC format	5+5		A	30	
12	Functional MoUs /Collaborations with Govt and Non Governmental Organisations	1. Collaboration with University/ Industry/NGO/ Any other Agency 2. Consultancy offered 3. Amount generated through Consultancy.	MoUs - 5 points Consultancy offered -10 Amount generated through Consultancy - 5 points	20	20	-	-	1) All three key indicators =3 Grade points A 2) Any two key indicators =2 Grade points/B 3) Any one key indicator =1 Grade point C 4) No Indicator=0/D
<b>IV - USE OF INFRASTRUCTURE &amp; LEARNING RESOURCES</b>								
13	Physical facilities	Infrastructural facilities in the Department/Colleges a. Use of Digital Classrooms b. Use of Virtual Classroom c. Use of Labs d Use of Library e. Nlist usage f. Maintenance of Departmental Library	Log books related to usage	20	20	A	60	1) Any four key indicators =3 Grade points/A 2) Any three key indicators =2 Grade points B 3) Any two key indicators =1 Grade point C 4) Below two Indicators=0/D

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<b>V- ROLE IN STUDENT SUPPORT AND PROGRESSION</b>									
14	Student Support	1. Counseling of students as Mentor/ Class teacher a. Student Profile Collection b Semester wise updation and maintenance 2. Any other Study Material /Guidance a)Academic guidance for the advanced learner (offering suggestions/reference books) b)Handholding the slow learners (offering study material/question banks) 3. Guiding/Monitoring Students for CSP/Internship 4. Organizing/Participation in Parent Teacher Meetings	Reports in the NAAC format	20 10 10 10	50	A	150		1)All Four key indicators =3 Grade points/A 2)Any Three key indicators =2 Grade points/B 3)Any Two key indicator =1 Grade point/C 4)Below two=0/D
15	Student Progression	Report on Programme/Course wise students' progression to a)Higher Education b)Employment c)Entrepreneurship	Reports in the NAAC format	10 10 10	30	B	60		1)All three key indicators =3 Grade points/A 2)Any two key indicators =2 Grade points/B 3)Any one key indicator =1 Grade point/C 4)No Indicator=0/D
<b>VI- ROLE IN INSTITUTIONAL GOVERNANCE</b>									
16	Participation in Institutional Governance and Leadership	a)Contribution to Departmental Vision & Mission and Departmental Action Plan b)Participation in different institutional committees and preparation of committee reports c)Participation in different institutional activities that focus on value based education d)Contribution to IQAC/quality initiatives	Reports in the NAAC format	4x10	40	A	120		1)All Four key indicators =3 Grade points/A 2)Any Three key indicators =2 Grade points/B 3)Any Two key indicator =1 Grade point/C 4)Below two=0/D
<b>VII - BEST PRACTICES</b>									
17	Best Practices	Identification and Contribution to a)The Departmental Best practices b)Institutional Best practices	Reports in the NAAC format	20	20	A	60		1)All Two key indicators =3 Grade points/A 2)Any one key indicator =2 Grade points/B 3)No Indicator=0/D
<b>Total Grade points</b>					500				

Name & Signature of the Principal

Name & Signatures of the Academic advisors

- 1)
- 2)
- 3)

**PRINCIPAL**  
**S.K.R. COLLEGE FOR WOMEN**  
**HITHAKARINI SAMAJ**  
 Endowments Dept., Govt. of Andhra Pradesh  
**RAJAMAHENDRAVARAM**



**Accredited at B+ Level by NAAC**  
**RAJAMAHENDRAVARAM-East Godavari Dist. (A.P.)**

**PERFORMANCE APPRAISAL REPORT FOR SELF APPRAISAL OF TEACHERS**  
**UPTO2022**



**A. General Information :**

- a) Name : M Kasma  
b) Date of Birth : 11-02-1986  
c) Residential Address : Dr No20-15-24, Tummalava, sambasivarao peta, 1<sup>st</sup>  
cross Road  
d) Designation : Lecturer  
e) Department : Zoology  
f) Area of Specialization :  
g) Date of Appointment : 08-08-2012  
h) i) In the Institution : 08-08-2012  
ii) In the Present Post :

**B. Academic Qualifications:**

Exam. Passed	Board/ University	Subject	Year	Division/ Grade Merit etc.,
High School	Board of Secondary Education	Telugu,Hindi,English, Maths,Science,Social	2001	I
Higher Secondary or Pre-Degree	Board of Intermediate Education	Bi PC Botany, Zoology,Physics, Chemistry	2003	II
Bachelor's Degree	Andhra University	B Sc Botany,Chemistry, Zoology	2006	I
Master's Degree	Andhra University	M Sc Zoology	2012	I

**Programme outcomes of MSc Zoology**

- 1. Understand the biological diversity and grades of complexity of various animal forms through their systematic classification and comparative structural studies.**
- 2. Learn how earth was formed and how life started and evolved on the planet through process of organic evolution.**
- 3. Understand the roles of plants, animals and microbes in the sustainability of the environment and their interaction among themselves and deterioration of the environment due to anthropogenic activities.**
- 4. Understand the concepts and principles of biochemistry, immunology, physiology, ethology, endocrinology, developmental biology, cell biology, genetics, molecular biology and microbiology.**
- 5. Develop technical skills in biotechnology, bioinformatics and biostatistics.**
- 6. Delve into the wonderful world of insects, their success on the planet and their diversity .**
- 7. Aquire knowledge on harmful and beneficial insects, their adaptations for life and control measures.**
- 8. Perform laboratory procedures as per standard protocols in the areas of animal diversity, systematics, cell biology, genetics, biochemistry, molecular biology, microbiology, physiology, immunology, developmental biology, environmental biology, ethology, evolution and Entomology.**

# COURSE OUTCOMES :

## SEMESTER -I

### PAPER –I BIOSYSTEMATICS ,BIODIVERSITY AND EVOLUTION

- Acquire a thorough understanding of the principles and practices of systematics
- Provide an in-depth knowledge on the diversity and relationships in animal world
- Develop a holistic appreciation on the phylogeny and adaptations in animals
- Understand the taxonomic procedures to identify a species.
- Acquire the skills of nomenclature of species and sub species
- Classify animals on the basis of their relation to other animals by body structure, external characters, development and DNA
- Apply the International rules of Nomenclature to give a scientific name to animals which are found during research.
- Understand the gradual development and Thus paper is aimed to introducing the students for the salient features of Taxonomy and Evolution. d evolutionary history of different kinds of living organisms from earlier forms over several generations
- Understand and demonstrate the internal anatomy of various animals, biodiversity and related indices

### PAPER –II Tools and Techniques In Biology

This paper is aimed to Tools & techniques in Biology

- This paper is aimed to Tools & techniques in Biology.
- Explain Microscopy, Colorimetry, Chromatography principle, process, applications and working of related instruments
- Demonstrate Microbiological, Cytological, Histological, Molecular biological techniques
- Apply and demonstrate Immunological Surgical Immunodetection and Cell culture techniques
- Understand Cryopreservation, Radioisotope and Isotope techniques and applications of all the techniques in biology

### PAPER- III BIOMOLECULES

This paper is aimed to introduce molecular biology viz Amino acid, DNA, RNA and Enzyme.

- 1 To explain Biomaterial, Nanoparticles and their importance.
  - 2 To understand biological reactions, structure of protein, carbohydrates fats ,nucleic acids and their metabolism
- Understand the chemical nature of life and life process
  - Develop an idea on structure and functioning of biologically important molecules
  - Generate an interest in the subject and help students explore the new developments in Biomolecules
  - Create curiosity in antioxidants and their role in cure of diseases
  - Inculcate an interest for further research

This paper is aimed to introduce molecular biology viz Amino acid, DNA, RNA and Enzyme.

- 1 To explain Biomaterial, Nanoparticles and their importance.
- 2 To understand biological reactions, structure of protein, carbohydrates fats, nucleic acids and their metabolism

PROFORMA FOR ANNUAL CURRICULAR PLAN (Department wise) : 2021-2022

-2022

Name of the College : S.K.R. COLLEGE FOR WOMEN, RAJAHMUNDRY Name of the Department : Class & Group : f

Name of the Lecturers : Dr. P.S.Ch.P. Deepika Rami, M. Karuna


Month	Paper	Hours available	Syllabus topic	Additional Input / Value Addition to be Provided / taught	Curricular Activity				Co-Curricular Activity			
					Activity to be Conducted	Hours allotted	Whether Conducted	If not, alternate Dt.	Activity to be Conducted	Hours allotted	Whether Conducted	If not, alternate Dt.
April	I		Introduction to Neurobiology, organization of Brain, Neurobiology Cells of Neuron		G.D	01	Yes	-				
	III		Introduction to cell and tissue Culture, Cell types and Cell lines, Types of Culture, Processes Cancer Biology		G.D	01	Yes	-	Assignment	01	Yes	
	V		Aquaculture History, Culture Pond, Fish Seed Resources and Transportation, Induced breeding, Fish hatchery		G.D	01	Yes	-	Seminar	01	Yes	
	VI		Introduction to Animal Biotechnology Recombinant DNA technology Cloning vectors, Ligation of fragments		Q&A	01	Yes	-	Assignment	01	Yes	
May	I		Passive and membrane Properties flow, compartments, SAKE, Membrane Potentials, recording, Nerve impulse.						Seminar	01	Yes	
	III		Hybridoma technology, cloning and invitro & in vivo methods, Vaccines. immunoglobulins & immunotoxins and their uses.		Q&A	01	Yes		Assignment	01	Yes	
	V		Construction of fish fresh water & brackish water farms, Integrated fish farming, Indian major carps		G.D	01	Yes		Seminar	01	Yes	
	VI		Gene transfer techniques, Cloning strategies, Identification of recombinants, Design and preparation						Seminar	01	Yes	
August	I		Signaling and Channels, Neural communication, Neurotransmitters ionotropic and metabotropic receptors		G.D	01	Yes					
	III		The biology of stem cells, Isolation and propagation of embryonic stem cells Stem cell Plasticity, Transdifferentiation						Seminar	01	Yes	
	V		Principles of fish Nutrition, Feed Management, Role of genetics in aquaculture, impact of GHDS on aquaculture		Q&A	01	Yes		Assignment	01	Yes	
	VI		DNA Sequencing Method, DNA-fingerprinting. PCR amplification and diagnosis.						Assignment	01	Yes	
September	I		Cognitive Neuro science, Role of limbic system in cognition, Learning and memory, imprinting		Q&A	01	Yes		Assignment	01	Yes	
	III		Stem cell assays and protocols of cytokine and Chemotherapy, clinical applications of stem cell therapy.									
	V		Water quality management fish diseases, General Principles of Molluscan culture, Environmental impact.		Q&A	01	Yes		Seminar	01	Yes	
	VI		Bio ethical - Introduction, Policies and Procedures, Professional ethics. Teaching ethical values, Socio-economic and legal impact.		G.D	01	Yes		Assignment	01	Yes	
October	I											
	III		PUBLIC EXAMINATIONS									
	V		PUBLIC EXAMINATIONS									
	VI		PUBLIC EXAMINATIONS									

P.R. PRINCIPAL

S.K.R. COLLEGE FOR WOMEN  
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RAJAHMUNDRY



Month	Paper	Hours available	Syllabus topic	Additional Input / Value Addition to be Provided / taught	Curricular Activity				Co-curricular Activity			
					Activity to be Conducted	Hours allotted	Whether conducted	If not, alternate Dt.	Activity to be Conducted	Hours allotted	Whether conducted	alte
NOVEMBER Apoil	I		Assay, Microscopy, Different fixation and staining techniques for EM, PHMs Principles and applications of Ion-selective and gas sensing electrodes		GD	01	Yes		Seminar	01	Yes	
	II		Importance and applications of biosystems, Biological classification, Procedures in taxonomy, Types of taxonomy, Zoological Nomenclature.						Seminar	01	Yes	
	III		Chemical foundations of biology, Amino acids - classification, Protein classification, Conformation of Proteins		Q&A	01	Yes					
	IV		Biomembranes & Membrane Potential. Transport across epithelia						Assignment	01	Yes	
DECEMBER May	I		Centrifugation, Principles and applications of sedimentation, Chromatography, TLC, GC&HPLC, Spectroscopy, Spectrofluorimetry Radio labelling techniques.		GD	01	Yes					
	II		Origin of basic biological molecules, Abiotic synthesis, Evolutionary time scale, Evolution of eukaryotic cell from prokaryotes, universal common ancestor and tree of life, speciation.						Assignment	01	Yes	
	III		Carbohydrates, Chemistry and biological roles of homo and heteropolysaccharides, classification of Lipids.		Q&A	01	Yes		Seminar	01	Yes	
	IV		Microfilaments and Microtubules cilia and flagella, cell-movements - cell-cell signaling, cell-cell adhesion and communication		GD	01	Yes					
JANUARY June	I	I week	Microbiological Techniques, Media preparation Microbial assays									
		II week	Revision		Q&A	01	Yes					
	II	I week	Concept of evolution, Hardy weinberg law									
		II week	Revision									
	III	I week	Nucleic acids, Nucleic acid sequencing, Types of RNA									
		II week	Revision		GD	01	Yes					
IV	I week	cell-cycle, Genome organization, Intracellular protein traffic										
			Revision									
FEBRUARY	I		—									
	II		—									
	III		—									
	IV		—									
MARCH	UNIVERSITY PUBLIC EXAMINATIONS :											

  
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 NITHAKAVINI SAMAJAM  
 Endowments Dept., Govt. of Andhra Pradesh  
 P. MAHENDRAVARAM

Name of the Department : Zoology

## TEACHING

Name of the Lecturer : M. Kasma

Date / Month / Year	Day	Class	Period / Time	Medium EM / TM	Theory / Practical
1	2	3	4	5	6
10/10/22	Monday	M.sc (Pre)	4,5	Em	-
11/10/22 & 12/10/22	Tuesday Wednesday				
13/10/22 to 26/10/22	Thursday				
17/10/22 - 21-10-22					
27/10/22 to 31/10/22					
22/11/22	Tuesday	M.sc (Pre)	1,2,3	Em	Practical
23/11/22	wednesday	M.sc (Pre)	1,2,3	Em	Practical
		M.sc (Pre)	4,5	Em	Theory
24/11/22	Thursday	M.sc (Pre)	1,2,3	Em	Practical
25/11/22	Friday	M.sc (Pre)	4,5	Em	Theory
26/11/22	Saturday	M.sc (Pre)	1,3,5	Em	Theory
28/11/22	Monday	M.sc (Pre)	4,5	Em	Theory
29/11/22	Tuesday	M.sc (Pre)	1,2,3	Em	Practical

M. Kasma  
Signature of the Lecturer

M. Kasma  
Signature of the Department I/C

DIARY 2021 - 2022

Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids used	Student Activity conducted	Remarks
7	8	9	10	11	12
Preparation holidays for II semester					Public theory Examinations
C.L					
Preparation holidays for II semester					Public theory Examinations
Examinations					Theory public Examinations (Post-poned)
Public theory Examinations for II-semester students					
Practical Revision		06	-	-	
Practical Revision		06	-	-	
Record certification		06	-	-	
Model Exam		06	-	-	
Record Verification		06	-	-	
Record certification		06	-	-	
Practical - Revision		06	-	-	
Practical Revision		06	-	-	

M. Kasma  
Signature of the Lecturer

M. Kasma  
Signature of the Principal



**SKR COLLEGE FOR WOMEN; RAJAMAHENDRAVARAM**  
**Reaccredited NAAC B+Grade**



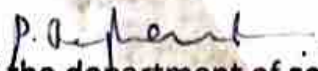
**DEPARTMENT OF ZOOLOGY**

**NOTICE**

**PLACE: RAJAMAHENDRAVARAM**

**DATE: 03-01-2022**

The department of zoology planning to conduct certificate course on Vermicompost from 19-01-2022 to 26-02-2022. The students who are interested to join in certificate course can give your names to zoology faculty members, on or before 07-01-2022.

  
Head of the department of zoology  
**H.O.D. OF ZOOLOGY**  
**S.K.R.COLLEGE FOR WOMEN**  
**RAJAMAHENDRAVARAM**

  
Principal  
**PRINCIPAL**  
**S.K.R. COLLEGE FOR WOMEN**  
**HITHAKARINI SAMAJ**  
Endowments Dept., Govt. of Andhra Pradesh  
**RAJAMAHENDRAVARAM**



SKR COLLEGE FOR WOMEN; RAJAMAHENDRAVARAM  
Reaccredited NAAC B+Grade



2021 - 2022

### COURSE STRUCTURE - [VERMICOMPOST]

1. Theory	20hours
2. Practical	10 hours
3. Entry test	20 marks
4. Final test	50 marks
5. Practical exam	40 marks
6. Viva Voice	10 marks
7. Grading	A, B, C&D

#### UNIT-I

- 1.1 Introduction of Vermicomposting -Definition, History, Present Status in India.
- 1.2 Importance and need of Vermicompost.
- 1.3 Important Earthworm species used in India for Vermicomposting.

#### UNIT-II

- 2.1 Selection of site and Physical requirements for Vermicomposting.
- 2.2 Methods and materials required for Vermicomposting.
- 2.3 Harvest and Post-harvest management of Vermicompost

#### UNIT-III

- 3.1 Large scale production of Vermicompost (Out door)
- 3.2 Small scale earthworm farming for home garden (Earthworm compost for home garden).
- 3.3 Benefits of Vermicompost- Use of Vermicompost in agriculture.

#### PRACTICAL SYLLABUS

1. Identification of Important Earthworm species for Vermicomposting.
2. Estimation of soil pH.
3. Process of Vermicomposting (bins).



SKR COLLEGE FOR WOMEN; RAJAMAHENDRAVARAM  
Reaccredited NAAC B+Grade



## CERTIFICATE OF COMPLETION

This is to certify that .....*S. B. Sonia Shankar*..... Regd. No  
.....*19090710186*..... of SKR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM  
has completed her one month **CERTIFICATE COURSE** on "VERMICOMPOST " from  
19-01-2022 to 26-02-2022, organized by DEPARTMENT OF ZOOLOGY

COURSE COORDINATOR

PRINCIPAL

PRINCIPAL  
S.K.R. COLLEGE FOR WOMEN  
HITHAKARIN SAMAJ

Engineering Dept. Govt. of Andhra Pradesh



S.K.R COLLEGE FOR WOMEN, RAJAHMUNDRY  
DEPARTMENT OF ZOOLOGY  
M.Sc ZOOLOGY

2021 - 2022  
BRIDGE COURSE

TOPIC: Evolution Process

DATE: 02/5/22



S.No	NAME OF THE STUDENT	SIGNATURE
1.	P. SAI SUSHMA SRI	P. sai sushma sri
2.	K. SIRISHA	K. Sirisha.
3.	K. MADHURI	K. Madhuri
4.	M. PREMA JYOTHI	M. Prema jyothi
5.	N. SOWJANIYA	N. Sowjanya.
6.	N. NIHARIKA	V. Niharika

H. Karuna  
Signature of the  
Lecturer

P. ...  
Signature of the

Principal

S.K.R. COLLEGE FOR WOMEN  
HITHAKARINI SAMAJ  
Endowments Dept, Govt of Andhra Pradesh  
RAJAMAHENDRAVARAM



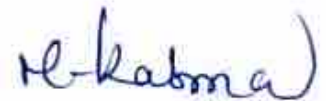
**S.K.R COLLEGE FOR WOMEN  
RAJAMAHENDRAVARAM**

**CERTIFICATE**

This is to certify that the project work entitled “A Preliminary studies on the diversity and abundance of Butterfly fauna in and around S.K.R College campus, Rajamahendravaram, East Godavari District” was done by Ms. B.Ramya Sri, Regd No : 2083638002 during her IV semester of M.Sc ., Zoology, at S.K.R College For Women , Rajamahendravaram , under my supervision and guidance for the partial fulfillment of M.Sc., degree in Zoology. To the best of my knowledge this work has not been submitted anywhere for any degree.



**Head of the Department**



**Lecturer in charge**





COMMISSINERATE OF COLLEGIATE EDUCATION  
GOVERNMENT OF ANDHRA PRADESH  
STUDENT EVALUATION REPORT  
GOVERNMENT DEGREE COLLEGE(W), RAJAMAHENDRAVARAM



Name of the Faculty : Dr.P.S.Ch.P.Deepika Rani

Subject : Zoology

Semester : I

Title of the Paper : I, Tools and Techniques For Biology

Sl. No.	Student ID	Student Name	Program Code	Program Name	Specialization Code	Specialization	Course Code	Course Name	University Register No.	Continuous Internal Assessment (CIA)									Sum End Examination (SEE)	Total (CIA + SEE)	Result	Practical Internals	Practical Marks	Total Practical Marks	Result	Remarks													
										Mid Exam - 1		Mid Exam - 2		Total (Mid-1 + Mid-2)		Assignments/Seminar Presentation	Attendance	Swachatha Activity									Total (H+H+H+IV)												
										10	10	10	10	I	II													III	IV	25	75	100	P/F	12	38	50	P/F		
1	273	B.Alekhya	836	M.Sc	38	Zoology	836	Zoology	2283638001	7	9	8	4	4	3	19																							
2	274	Ch.Ambika	836	M.Sc	38	Zoology	836	Zoology	2283638002	6	8	7	3	3	3	16																							
3	275	D.V.V.S.S.Leevathi	836	M.Sc	38	Zoology	836	Zoology	2283638003	6	8	7	3	3	3	16																							
4	276	G.Surya Chakram	836	M.Sc	38	Zoology	836	Zoology	2283638004	6	8	7	5	4	5	21																							
5	277	K.Manisha	836	M.Sc	38	Zoology	836	Zoology	2283638005	9	9	9	4	4	5	22																							
6	278	Sk.Naseema Begum	836	M.Sc	38	Zoology	836	Zoology	2283638006	6	8	7	3	3	4	17																							
7	279	S.Ramya	836	M.Sc	38	Zoology	836	Zoology	2283638007	7	9	8	4	4	4	20																							
8	280	V.Sushmitha Smily	836	M.Sc	38	Zoology	836	Zoology	2283638008	7	7	7	4	3	4	18																							

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PRINCIPAL  
S.K.R. Government Degree College (Women)  
RAJAMAHENDRAVARAM.  
East Godavari Dist., Andhra Pradesh



**COMMISSINERATE OF COLLEGIATE EDUCATION****GOVERNMENT OF ANDHRA PRADESH****STUDENT EVALUATION REPORT****GOVERNMENT DEGREE COLLEGE(W), RAJAMAHENDRAVARAM**

Name of the Faculty :Dr.P.S.Ch.P.Deepika Rani

Subject : Zoology

Semester : III

Tital of the Paper :I-Applied Zoology

Sl. No.	Student ID	Student Name	Program Code	Program Name	Specialization Code	Specialization	Course Code	Course Name	University Register No.	Continuous Internal Assessment (CIA)							Sem End Examination (SEE)	Total (CIA + SEE)	Result	Practical Internals	Practical Marks	Total Practical Marks	Result	Remarks
										Mid Exam - 1	Mid Exam - 2	Total (Mid - 1 + Mid - 2)	Assignments/Seminar Presentation	Attendance	Swachatha Activity	Total (I+II+III+IV)								
										10	10	10	5	5	5	25								
1	267	K.Sirisha	836	M.Sc	38	Zoology	836	Zoology	2183638001	6	7	7	5	4	5	21				9				
2	268	K.Madhuri	836	M.Sc	38	Zoology	836	Zoology	2183638002	7	8	8	4	3	5	20				9				
3	269	M.Prema Jyothi	836	M.Sc	38	Zoology	836	Zoology	2183638003	6	7	7	4	4	5	20				8				
4	270	N.Sowjanya	836	M.Sc	38	Zoology	836	Zoology	2183638004	8	8	8	5	4	5	22				10				
5	271	V.Niharika	836	M.Sc	38	Zoology	836	Zoology	2183638005	7	7	7	5	4	5	21				8				
6	272	P.Sai SushmaSri	836	M.Sc	38	Zoology	836	Zoology	2183638006	8	9	9	5	4	5	23				10				

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East Godavari Dist., Andhra Pradesh

Phone:0883-2467391



## SKR COLLEGE FOR WOMEN ;RAJAMAHENDRAVARAM

Reaccredited at B+ Grade by NAAC

Affiliated to Adikavi Nannaya University

Opp,T.T.D Kalyana Mandapam,Danavaipeta,Rajamahendravaram,E.G.Dist.,A.P

Established 1968

E-mail:skrewrjy@gmail.com

DEPARTMENT OF ZOOLOGY


### ACTION PLAN FOR THE YEAR 2021-2022

S.No	Date/Month	Proposed Activities	Remarks
1	October 2021 1 Week	-----	---
	2 Week	-----	---
	3 Week	Departmental staff meeting to review results & class work allotment /preparation of annual action plan	Yes
	4 Week	Preparation of time tables for even semester/preparation of curriculum plan	Yes
2	November 2021 1 Week	Rajyalakshamma Birth Anniversary celebrations	participated
	✓ 2 Week	Midterm exam-1 for III year students	Conducted
	3 Week	Conduct quiz competition for III CBZ students	Conducted
	4 Week	Student seminars	Conducted
3	December 2021 1 Week	Orientation program for I B.sc students	Conducted
	2 Week	Bridge Course for I B.Sc students	Conducted
	✓ 3 Week	Mid Term exam -1 for I & II B.sc students Mid Term exam -2 for III B.sc students	Conducted
	4 Week	Assignments	Yes
4	January 2022 I Week	Students group discussion	Conducted
	II Week	Sankranthi sambaralu	Conducted
	III Week	Assignments	Conducted
	IV Week 31/01/2022	Field visit to vermicompost unit at Govt(A) college;Rajamahendravaram	visited
5	February 2022 I Week	Assignments	Conducted
	✓ II Week	Mid Term exam -2 for I & II B.sc students	Conducted
	III Week 19/02/2022	Conduct blood grouping test for B.Sc & M.Sc students	Conducted
	IV Week 28/02/2022	Conduct zoology museum exhibition on the occasion of National science day	Conducted
6	March 2022	Marine fishes exhibition in our campus by CBZ	Conducted

200

	I Week 05/03/2022	&M.Sc students	
	II Week	International women day	Yes
	III Week	Preparation of Curriculum plan for even semester	Conducted
	IV Week	Midterm exam-1 for III year students	PostPoned
7	April 2022 I Week	Student Seminars	Conducted
	II Week	Mid Term exam -1 for I & II B.sc students	PostPoned
	III Week 23/04/2022	Kandukuri veeresalingam gari jayanthi preparation of slogans by I CBZ students on the occasion of world book day	Conducted
	IV Week	Midterm exam-2 for III year students	PostPoned
8	May 2022 I Week 02/05/2022	Guest lecture	Conducted
	II Week	Student seminars	Conducted
	III Week	Midterm exam-1 for III year students	Conducted
	IV Week	Rao Bahadur Kandukuri Veeresalingam Pantulu vardanthi	participated
9	June 20212 I Week	Preparation of e-content	yes
	II Week	Mid Term exam -2 for III B.sc students <b>Mid Term exam - 1 for II B.Sc</b>	Conducted
	III Week	conduct Remedial coaching	Conducted
	IV Week	Study hours	Conducted
10	July 2022 I Week	Midterm exam-2 for II year students	Conducted
	II Week 15/07/2022	Conduct quiz for II CBZ students	Conducted
	III Week	Midterm exam-1 for I(B.Sc) year students	Conducted
	IV Week	Assignments	Conducted
11	August 2022 I Week	Revision classes	Conducted
	II Week	Celebrate Independence day	participated
	III Week2 20/08/2022	conduct elocution competition on the occasion of world mosquito day for I CBZ students <b>Mid term exam - 2 for I B.Sc</b>	Conducted
	IV Week	Departmental feed back/institutional feed back	yes

M. H. SRIDEVI  
Signature of the H.O.D  
**H.O.D. OF ZOOLOGY**  
**S.K.R.COLLEGE FOR WOMEN**  
**RAJAMAHENDRAVARAM**

  
Signature of the principal  
PRINCIPAL  
**S.K.R. COLLEGE FOR WOMEN**  
**HITHAKARINI SAMAJ**  
Endowment's Dept., Govt. of Andhra Pradesh  
**RAJAMAHENDRAVARAM**

## **INVITATION**

**S.K.R COLLEGE FOR WOMEN,  
RAJAMAHENDRAVARAM  
DEPARTMENT OF ZOOLOGY**

*Identification of blood grouping to staff  
and students*

**On**

**19/02/2022**




*The gift of blood is a gift of someone's life*

**TIME : 11 A.M ONWARDS**

**VENUE : ZOOLOGY DEGREE  
LABORATORY**



  
 Signature of the H.O.  
 Ms. A. V. S. S. S. S.  
 K.R. COLLEGE FOR WOMEN  
 KAJANAHENDRALAKSHI

  
 Signature of the principal  
 P. S. S. S.  
 K.R. COLLEGE FOR WOMEN  
 KAJANAHENDRALAKSHI

**INVITATION**

**SJLR COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM**

**DEPARTMENT OF ZOOLOGY**

**MUSEUM EXHIBITION**

**On**

**2021-2022**





**DATE: 28-03-2022**

**TIME: 10A.M ONWARDS**

**VENUE: ZOOLOGY DEGREE LABORATORY**

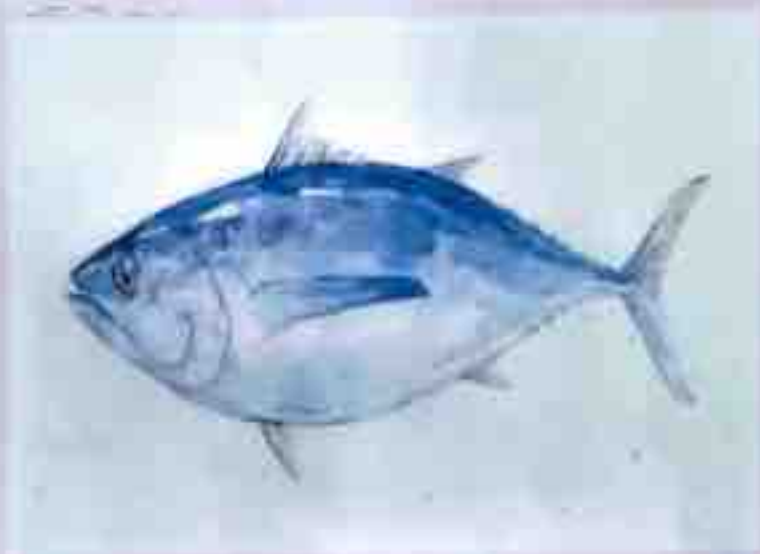


  
 Signature of the H.O.D.  
 H. K. S. S. S. S. S.  
 E.K.R. COLLEGE FOR WOMEN  
 RAJAHENDRAVARAM

  
 Signature of the principal  
 PRINCIPAL  
 E.K.R. COLLEGE FOR WOMEN  
 HITHAKAFOBI S.MULLAI  
 Endowment Dist. Govt of Andhra Pradesh  
 RAJAHENDRAVARAM

INSTITUTION  
S.J.C.R COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM  
DEPARTMENT OF ZOOLOGY  
MARINE FISHES EXHIBITION

On  
2021-2022



DATE: 03-03-2022  
TIME: 10AM ONWARDS  
VENUE: ZOOLOGY DEGREE LABORATORY







*P. K. S. R.*  
Signature of the H.O.D.  
H. O. D. W. S. O. D. S.  
S.K.R. COLLEGE FOR WOMEN  
RAJASHEENDRAVARAM

*P. K. S. R.*  
Signature of the Principal  
PRINCIPAL  
S.K.R. COLLEGE FOR WOMEN  
HITHALGUPPI BADAJAM  
Engineering Dept. Govt. of Andhra Pradesh  
RAJASHEENDRAVARAM

$d = \frac{a}{b}$	$\frac{a}{b} \times \frac{c}{d}$	$\frac{a}{b} \times \frac{c}{d}$	$\frac{a}{b} \times \frac{c}{d}$
$\frac{-30}{10} = -3$	$-3 \times 3 = 9$	$5 \times 3 = 15$	$5 \times 9 = 45$
$\frac{-20}{10} = -2$	$-2 \times 2 = 4$	$10 \times 2 = 20$	$10 \times 4 = 40$
$\frac{-10}{10} = -1$	$-1 \times 1 = 1$	$20 \times 1 = 20$	$20 \times 1 = 20$
$\frac{0}{10} = 0$	$0 \times 0 = 0$	$40 \times 0 = 0$	$40 \times 0 = 0$
$\frac{10}{10} = 1$	$1 \times 1 = 1$	$30 \times 1 = 30$	$30 \times 1 = 30$
$\frac{20}{10} = 2$	$2 \times 2 = 4$	$20 \times 2 = 40$	$20 \times 4 = 80$
$\frac{30}{10} = 3$	$3 \times 3 = 9$	$10 \times 3 = 30$	$10 \times 9 = 90$
$\frac{40}{10} = 4$	$4 \times 4 = 16$	$4 \times 4 = 16$	$4 \times 16 = 64$

$$\frac{\sum d^2}{N} - \left[ \frac{\sum fd}{N} \right]^2 \times C$$

$$= \frac{269}{10} - \left[ \frac{139}{10} \right]^2 \times 1$$

$$= 26.9 - 18.421 = 8.479$$

