

18-19 odd Sem Zoology

| ANNUAL CURRICULAR | | | | PLAN (Year) Semester 3 | | | | | | | | |
|----------------------------------|------|-----------------|--|---|---------------------|----------------|-------------------|-----------------------|------------------------|----------------|-------------------|-----------------------|
| NAMR OF THE LECTURER: A. Kalyani | | | | CLASS: ICBZ & ZFC Semester: Animal diversity - Biology of non chordates Paper: choo ddy | | | | | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | |
| | | | | | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date | Activity Conducted | Hours Allotted | Whether Conducted | If not Alternate Date |
| Nov | 3 | 5 | Taxonomy, whittaker classification, classification of Animal Kingdom | - | charts | 1 | yes | - | Quiz | 1 | yes | - |
| | 4 | 4 | Protozoa. Locomotion, nutrition, Reproduction. | - | - | - | - | - | - | - | - | - |
| Dec | 1 | 5 | Elphidium, Porifera, skeleton in sponges, canal system in " | - | Youtube | 1 | yes | - | - | - | - | - |
| | 2 | 5 | coelenterata. metagenesis in obelia, Polymorphism, corals | Economic importance of corals | - | - | - | - | Seminar | 1 | yes | - |
| | 3 | 5 | coral reefs. ctenophora. Evolutionary significance. | - | Animation | 1 | yes | - | - | - | - | - |
| | 4 | 4 | platyhelminthes. Fasciola hepatica | - | - | - | - | - | Seminar | 1 | yes | - |
| Jan | 1 | 4 | Parasitic adaptations nematyhelminthes. Ascaris lumbricoides | - | PPT | 1 | yes | - | - | - | - | - |
| | 2 | 5 | Annelida. leech. external character, digestive system | - | - | - | - | - | Group discussion | 1 | yes | - |
| | 3 | 5 | Excretory system, Reproductive " coelom & coelom products. | - | Youtube | 1 | yes | - | - | - | - | - |

Signature of the Lecturer
A. Kalyani

Signature of the HOD
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Signature of the Principal
Neha

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
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| NAMR OF THE LECTURER | | | | | CLASS : Semester : Paper : | | | | | | | | |
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| | 4 | 5 2 | vermiculture, vermicompost. Economic importance. | - | PPT | 1 | Yes | | | - | - | - | |
| Feb | 1 | 5 2 | Arthropoda. Prawn external characters, Appendages. | - | - | - | - | | | Seminar | 1 | Yes | |
| | 2 | 5 2 | Respiratory & circulatory system of prawn. vision & respiration in arthropoda. | - | Youtube | 1 | Yes | | | - | - | - | |
| | 3 | 5 2 | Insect metamorphosis, Peripatus | - | - | - | - | | | Quiz | 1 | Yes | |
| | 4 | 4 2 | social life in bees & termites, Mollusca. | - | Animation | 1 | Yes | | | - | - | - | |
| Mar | 1 | 4 2 | Pearl formation sense organs in Mollusca. | - | - | - | - | | | Seminar | 1 | Yes | |
| | 2 | 5 2 | Toxsining gastropods. Echinodermata, water vascular system | - | PPT | 1 | Yes | | | - | - | - | |
| | 3 | 5 2 | Larval forms, Hemichordata, Balanoglossus. | > | - | - | - | | | Assignment | 1 | Yes | |
| | 4 | 5 2 | classification of protozoa & porifera. | - | charts | 1 | Yes | | | - | - | - | |

Signature of the Lecturer

A. Kaliyani

Signature of the HOD

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Signature of the Principal

[Signature]

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018 - 2019

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | |
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| April | 1 | 5 2 | classification of coelenterata, ctenophora. | - | - | - | - | - | Quiz | 1 | Yes | |
| | 2 | 3 2 | classification of platyhelminths | - | charts | 1 | Yes | - | - | - | - | |
| | 3 | 5 2 | classification of nematyhelminths, Annelida. | - | - | - | - | - | - | - | - | |
| | 4 | 5 2 | classification of Arthropoda, mollusca. | - | PPT | 1 | Yes | - | - | - | - | |
| May | 1 | 3 2 | classification of Echinodermata. | - | - | - | - | Group discussion | 1 | Yes | | |
| | 2 | 3 2 | classification of Hemichordata. | - | PPT | 1 | Yes | Assignment | 1 | Yes | | |
| | | | | | | | | | | | | |
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Signature of the Lecturer

A. Kalyani

Signature of the HOD

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Signature of the Principal

Kalyani

18-19

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(Odd sem 1, 3, 5)

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
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| NAMR OF THE LECTURER <u>Dr Ch. Swarna</u> | | | | | CLASS : <u>II CBZ</u> | | | Semester : <u>III</u> | | Cell biology, Genetics, Evolution | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
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| June | 2nd | 5-T | Intro, & Syllabus, Book & Eukaryotic, virus | — | — | — | — | — | — | — | — | — | — |
| | 3rd | 3-T | Viruses Slip test of Book & Eukaryotes | — | you tube | 1 | Yes | — | — | — | — | — | — |
| | 4th | 5-T | Prep of Temp slides of mit. div with Eukary, Slip test | Chart | Chart | 1 | Yes | — | — | — | — | — | — |
| | 5th | 5-T | Orig. Euk. cell origin of life, Darwinism, Neo-Dar, Hardy Weinberg eq | — | you tube | 1 | Yes | — | — | — | — | — | — |
| July | 1st | 5-T | Cell Organelles, Str & functions of cell org. anelles. | you tube videos | — | 1 | Yes | — | — | — | — | — | — |
| | 2nd | Leave | | — | — | — | — | — | — | — | — | — | — |
| | 3rd | 3-T | Str & functions of Golgi apparatus. variations | Model. | Animation | 2 | Yes | — | Assignment | 1 | Yes | — | — |
| | | | Str & functions of ribosomes, Types of Natural selection | — | you tube videos | 1 | Yes | — | — | — | — | — | — |
| | 4th | 5-T | Factors of ribosomes Str & functions of mitochondria. Rev. class | — | — | — | — | — | — | — | — | — | — |

Signature of the Lecturer

Swarna

Signature of the HOD

Swarna

Signature of the Principal

Swarna

2018-19

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| NAMR OF THE LECTURER <i>Dr. Ch. Surajwal</i> | | | | | CLASS : <i>II CBZ</i> | | | Semester : | | Paper : | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
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| <i>July</i> | <i>5th</i> | <i>2-T</i> | <i>Study of mendilian - inheriance, Artif. Selectio</i> | <i>Their role in nature</i> | <i>you tube videos</i> | <i>1</i> | <i>Yes</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| <i>Aug</i> | <i>1st</i> | <i>2-T</i> | <i>Stru & functions of Lysosomes.</i> | <i>-</i> | <i>-</i> | <i>1</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>2nd</i> | <i>5-T</i> | <i>Structure & Signifi Cause of Nucleus & Slip test Chromatin</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>3rd</i> | <i>1</i> | <i>Mid exams</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>4th</i> | <i>4-T</i> | <i>Chem's - Stru, types & functions, Principles of Inheriance</i> | <i>-</i> | <i>you tube video</i> | <i>1</i> | <i>Yes</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>5th</i> | <i>4-T</i> | <i>Mendel's work on trans mission on traits;</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| <i>Sept</i> | <i>1st</i> | <i>1-T</i> | <i>Slip test - Incomplete dominance, Macroevol, Principles</i> | <i>-</i> | <i>you tube videos</i> | <i>1</i> | <i>Yes</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>2nd</i> | <i>3-T</i> | <i>Epistasis, Lethal - alleles; co-dominance</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| | <i>3rd</i> | <i>1-T</i> | <i>Pleiotropy Mid exams</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> |

Signature of the Lecturer

Ch. Surajwal

Signature of the HOD

Ch. Surajwal

Signature of the Principal

Ch. Surajwal

3

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | | | |
|--|-----------------------|-----------------|--|--|----------------------|----------------|-------------------|----------------------------|-------------------------|----------------|---------------------|-----------------------|-------------------------|--|--|
| NAME OF THE LECTURER: <i>Dr Ch. Swarna</i> | | | | | CLASS: <i>II CBZ</i> | | | Semester: <i>III - Sem</i> | | | Cell biology Genete | | Paper: <i>Evolution</i> | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | | | |
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| <i>Sept</i> | <i>4th</i> | <i>4-T</i> | <i>Sex-determination Study of linkage & Re-combination.</i> | _____ | <i>youtube video</i> | <i>1</i> | <i>Yes</i> | | | | | | | | |
| | <i>5th</i> | <i>5-T</i> | <i>Sex-linked inheritance Linkage & crossing over Human karyotype Macroevolution</i> | _____ | <i>youtube video</i> | <i>1</i> | | | | | | | | | |
| <i>Oct</i> | | | | _____ | <i>video</i> | <i>1</i> | <i>Yes</i> | | | | | | | | |
| <i>Oct</i> | | | <i>Remedial classes</i> | _____ | | | | | | | | | | | |
| | | | | _____ | | | | | | | | | | | |
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Signature of the Lecturer

Swarna

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| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
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| NAMR OF THE LECTURER <u>S. ANURADHA</u> | | | | | CLASS : <u>III CBZ</u> | | | Semester : <u>V</u> | | Paper : <u>Biotechnology</u> | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO-CURRICULAR ACTIVITY | | | | |
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| June | 2 nd | 4 | Syllabus Distortion Introduction to Paper | Additional information | Paper cuttings | 1 | Yes | - | - | - | - | - | |
| | | | Restriction Modification systems - I, II, III - R. enzymes | R. enzymes | | 1 | | | | | | | |
| | 3 rd | 4 | DNA polymerases, Terminal deoxy nucleotidyl transferases, Kinases, Phosphatases, Ligases. | - | You tube video | 1 | Yes | - | student seminar | 1 | Yes | - | |
| | 4 th | 4 | cloning vectors | Advantages of vectors | well shown animation | 1 | Yes | - | - | - | - | - | |
| | 5 th | 4 | linkers, Adaptors, Sangers method PCR. | Working of PCR | You tube video | 1 | Yes | - | quiz | 1 | Yes | - | |
| July | 1 st | 4 | Gene Delivery Micro injection Electroporation Gene gun. | - | will show you tube videos | 1 | Yes | - | - | - | - | - | |
| | 2 nd | 3 | Liposomes Viral mediated Southern Blotting Northern Blotting | Applications of Blotting tech's. | You tube video | 1 | Yes | - | - | - | - | - | |

Signature of the Lecturer

S. Anuradha

Signature of the HOD

S. Anuradha

Signature of the Principal

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| | 3 rd | 4 | Western Blotting Genomic Libraries cDNA libraries | uses of gene libraries | - | - | - | - | You tube Videos | 1 | Yes | - |
| | 4 th | 4 | cell culture media - Natural & Synthetic | - | - | - | - | - | - | - | - | - |
| | | | 1 ^o culture, 2 ^o culture; | | | | | | | | | |
| | 5 th | 1 | Continuous cell lines Established cell lines | | | | | | | | | |
| Aug. | 1 st | 3 | organ culture Cryo Preservation Hybridoma tech. | Importance of Hybridoma tech. | animation | 1 | Yes | - | Group discussion | 1 | Yes | - |
| | 2 nd | 3 | stem cells Revision for I mid-sem | - | - | - | - | - | - | - | - | - |
| | 3 rd | 3 | I mid-sem Papers distribution | - | - | - | - | - | - | - | - | - |
| | 4 th | 4 | Artificial insemination, IVF, Super ovulation, Embryo transfer, Embryo cloning | - | well showed You tube Videos | 1 | Yes | - | Assignments | 1 | Yes | - |

Signature of the Lecturer
S. Anu Reddy

Signature of the HOD
S. Anu Reddy

Signature of the Principal

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| | 5 th | 3 | Transgenic animals sheep, Fish | - | You tube video | 1 | Yes | - | - | - | - | - | - |
| Sept | 2 nd | 2 | Fermentation types submerged, solid state, Batch, Fed batch, continuous | animations | - | 1 | Yes | - | - | - | - | - | - |
| | 3 rd | - | II mid-sem Papers distribution | - | - | - | - | - | - | - | - | - | - |
| | 4 th | 3 | Types of fermentors, Down stream processing | types | Paper cuttings | 1 | Yes | - | - | - | - | - | - |
| | 5 th | 4 | Fisheries Mono culture | | | | | | | | | | |
| | | | Ploidy DNA finger printing | Applications | You tube video | 1 | Yes | - | - | - | - | - | - |
| Oct | 1 st | - | Study hours Practicals | - | - | - | - | - | - | - | - | - | - |
| | | | Semester exams | - | - | - | - | - | - | - | - | - | - |

Signature of the Lecturer

S. Anusheer

Signature of the HOD

S. Anusheer

Signature of the Principal

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4

2018-19

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
|--|------------|-----------------|--|--|--|----------------|-------------------|-----------------------|-------------------------|----------------|-------------------|-----------------------|---|
| NAMR OF THE LECTURER <i>Dr. Ch. Swarna</i> | | | | | CLASS : <i>III B-sec CBZ</i> Semester : <i>V sem</i> | | | | Paper : | | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
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| <i>June</i> | <i>2nd</i> | <i>4-T</i> | <i>Introd Syllabus Gen. introd to poultry of farm, prin ciples of poultry poultry</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>3rd</i> | <i>2-T</i> | <i>Systems of poultry Management of chicks</i> | <i>Growers, & layers</i> | <i>you tube videos</i> | <i>1</i> | <i>Yes</i> | — | — | — | — | — | — |
| | <i>4th</i> | <i>4-T</i> | <i>Manag of Growers & layers " of broilers, Principles of feeding.</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>5th</i> | <i>4-T</i> | <i>Nutrient requirements for diff stages of layers & broilers, feeding methods</i> | — | — | — | — | — | — | — | — | — | — |
| <i>July</i> | <i>1st</i> | <i>4-T</i> | <i>Poultry dis:- viral, bact & fungal, Sexing of chicks, classif of breeds</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>2nd</i> | <i>leave</i> | — | — | — | — | — | — | — | — | — | — | — |
| | <i>3rd</i> | <i>2-T</i> | <i>Parasitic Symptoms, Control & management</i> | — | <i>2 PPT'S</i> | <i>1</i> | <i>Yes</i> | — | — | — | — | — | — |
| | <i>4th</i> | <i>4-T</i> | <i>Selective care & handling. egg testing methods of hatching, Brooding</i> | — | <i>you tube</i> | <i>1</i> | <i>Yes</i> | — | — | — | — | — | — |
| | <i>5th</i> | <i>2-T</i> | <i>Brooding, Systs of mb feeding & cross B. housing of diary animals.</i> | — | — | — | — | — | — | — | — | — | — |

Signature of the Lecturer

Ch. Swarna

Signature of the HOD

[Signature]

Signature of the Principal

[Signature]

5

2018-19

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE

| ANNUAL CURRICULAR | | | | | PLAN (Year) | | | | | | | | |
|---|------------|-----------------|--|--|------------------------|----------------|-------------------|--------------------------|-------------------------|---------------------------------|-------------------|-----------------------|---|
| NAMR OF THE LECTURER <i>Dr Ch. Swarna</i> | | | | | CLASS : | | | Semester : <i>V Sem.</i> | | Paper : <i>Animal husbandry</i> | | | |
| MONTH | WEEK | HOURS AVAILABLE | SYLLABUS/ TOPIC | Additional Input/Value Addition Provided/ Taught | CURRICULAR ACTIVITY | | | | CO- CURRICULAR ACTIVITY | | | | |
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| <i>Aug</i> | <i>1st</i> | <i>1-T</i> | <i>Selectin of Site for diary farms.</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>2nd</i> | <i>4-T</i> | <i>Systems of housing loose & conventional housing.</i> | <i>advantages & disadvantages</i> | <i>youtube videos</i> | <i>1</i> | <i>yes</i> | — | <i>Assignme</i> | <i>1</i> | <i>yes</i> | — | — |
| | <i>3rd</i> | <i>1</i> | <i>mid exams.</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>4th</i> | <i>4-T</i> | <i>cleaning & Sanitation of diary farm wearing of calf.</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>5th</i> | <i>3-T</i> | <i>Castrolis delimiting Records to be maintained in diary farm. Mng of calf.</i> | — | <i>you tube videos</i> | <i>1</i> | <i>yes</i> | — | — | — | — | — | — |
| <i>Sep</i> | <i>1st</i> | <i>1-T</i> | <i>Care & Maugement of heifer</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>2nd</i> | <i>2-T</i> | <i>Care & management of milk animal. pregnant animal.</i> | — | <i>you tube videos</i> | <i>1</i> | <i>yes</i> | — | — | — | — | — | — |
| | <i>3rd</i> | <i>2nd</i> | <i>mid exams.</i> | — | — | — | — | — | — | — | — | — | — |
| | <i>4th</i> | <i>3-T</i> | <i>Care & management of Bulls & bullocks.</i> | — | <i>you tube videos</i> | <i>1</i> | <i>yes</i> | — | — | — | — | — | — |

Signature of the Lecturer

Swarna

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