



S. G. V. C. Vidya Prasarak Trust's,

**Matoshri Gangamma Veerappa Chiniwar
Arts, Commerce & Science College,**

MUDDEBIHAL-586212. Dist. Vijayapur (Karnataka)

(Accredited with CGPA of 3.31 on seven point scale at 'A+' Grade)

☎ : 08356220329

FAX : 08356220329

* email : princmgvc@gmail.com * www.mgvcmbi.in *

Ref. No. :

Date : 2022-23

Certificate

This is to certify that following are the list of Experiential Learning
through Project work/ Field Work/ Internship during the year 2022-23

Co-ordinator,

Internal Quality Assurance Cell

S.G.V.C. Arts, Commerce & Science College

MUDDEBIHAL-586212. Dist: Vijayapur

PRINCIPAL,

M.G.V.C. Arts, Commerce & Science College
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RANI CHANNAMMA UNIVERSITY

BELAGAVI

THE COURSE STRUCTURE & SYLLABUS OF UNDER GRADUATE

BACHELOR OF SCIENCE

ZOOLOGY

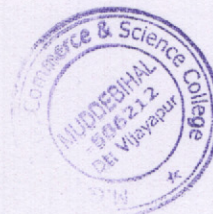
1ST TO 6TH Semesters

w.e.f.

**Academic Year 2020-21 and Onwards
Under**

CHOICE BASED CREDIT SYSTEM (CBCS)

Rani Channamma University, Belagavi
B.Sc VI Semester _ 6.1



Paper I

Total hours – 50
Marks _ 80
Theory 4 hrs/week

APPLIED ZOOLOGY (optional)

Sericulture : Mulberry Silkworm and Life History of Bombyx mori

07 hrs

Rearing of Silkworm: Grainage management, Emergence of moth and fertilization, egg laying, hatching and moulting of-silkworm, spinning of cocoons, Cocoon processing, stiffling and spinning silk. Filature. Non mulberry silkworm, types. in brief & Silkworm diseases- Muscardine, Grasserie, Flacherie & Pebrine.

Apiculture: Species of Honey Bees, their Social organization, Life History

05 hrs

Methods of Bee Keeping, products of Bees, & their Economic importance

Insect Pest Management : Natural control and Applied control of pests

05 hrs

Applied Control __ Mechanical, Physical, Cultural, Legal, Chemical control

Vermiculture: Eerthworm species used in vermiculture,vermiculture technique,and

Importance of vermiculture.

04 hrs

Aquaculture :

10 hrs

Prawn Fisheries, Species of Prawns, Culture of freshwater and marine Prawns, Preservation and processing of Prawns.

Pearl Culture : Pearl producing molluscans, Pearl formation, Pearl producing

Sites in India. Quality and composition of Pearl.

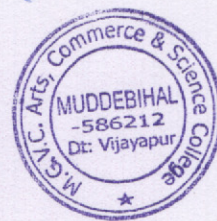
Pearl Industry:Artificial Insertion of nucleus

Brief technique of Fish culture, Preservation of fishes and their Byproducts

Fourth Semester B.Sc. (Zoology)

Paper Code: ZOODSCT 4.1
Teaching Hours: 4 H / Week
Total hours: 60

Paper Title: Genetics and Evolutionary Biology
Marks: Th-80+IA-20
Credits : 3



UNIT – 1

15 Hours

Introduction to Genetics: Mendel and his contribution. Monohybrid, Dihybrid cross (Laws). Definition of genetics terminologies. Genetic Variation, Molecular basis of Genetic Information

Mendelian Genetics: Principles of Inheritance, Chromosome theory of inheritance, Incomplete dominance and codominance, Multiple alleles, Lethal alleles, sex linked inheritance

Chromosomes: Normal and giant chromosomes (salivary gland & lampbrush)

Linkage, Crossing Over and Chromosomal Mapping: Linkage and crossing over, Recombination frequency as a measure of linkage intensity. Somatic cell genetics – an alternative approach to gene mapping

UNIT – 2

15 Hours

Mutations: Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy; Gene mutations: Induced versus Spontaneous mutations, Back versus Suppressor mutations

Sex Determination: Chromosomal mechanisms, dosage compensation

Introduction to Evolutionary Theories: Lamarckism, Darwinism, Neo-Darwinism

UNIT – 3

15 Hours

Origin of Life: origin of life and its theories

Evidences in favor of organic evolution: Fossilization, Types of fossils. Dating of fossils. Evolution of man. Morphological and paleontological evidences in favour of evolution

Processes of Evolutionary Change: Organic variations, Isolating Mechanisms; Natural selection (Example: Industrial melanism). Artificial selection

UNIT – 4

15 Hours

Species Concept: Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric and Sympatric)

Macro-evolution: Macro-evolutionary Principles (example: Darwin's Finches) ✓



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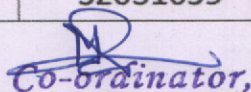
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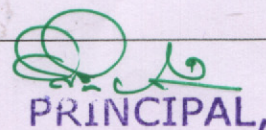
Date : ...2022-23

Department of Zoology
Title of the Project Work: Vermiculture
B.Sc V Semester- 2022-23

Sl. No	Reg. No	Name of the Students
01	S2031601	Abhishek Patil
02	S2031602	Aisha Tumbagi
03	S2031603	Aishwarya Patil
04	S2031605	Akshayakumar Patil
05	S2031606	Ambika Shankinamath
06	S2031610	Anusha Dodamani
07	S2031614	Bhagyalaksmi Kashetti
08	S2031618	Danamma Hiremath
09	S2031619	Druvakumar Nayak
10	S2031623	Kavya Nalatawad
11	S2031627	Lalita Beli
12	S2031629	Mahammed Haveli
13	S2031639	Ningamma Kalari
14	S2031642	Nisarga Patil
15	S2031647	Pooja Kumbar
16	S2031649	Prajwal Madiwalar
17	S2031653	Rafeek Bannetti
18	S2031656	Ramanagouda
19	S2031657	Ramesh Hampanagoudar
20	S2031658	Rohan Sulibhavi
21	S2031659	Sabaalam Dhakani

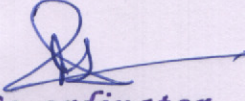

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22	S2031661	Samarth Patil
23	S2031671	Shivaraj Meti
24	S2031674	Shreekant Lamani
25	S2031675	Siddanagouda Biradar
26	S2031683	Sunita
27	S2031688	Tayyabamuskan Soudagar
28	S2031691	Ummebarira Shabhai
29	S2031692	Vandana Rathod
30	S2031694	Vinayak Pujari
31	S2031695	Yalaguradappa Kodaganur
32	S2031696	Yasmin H.B



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Date : 2022-23

Department of Zoology

Title of the Project Work: Lotic Water Ecosystem

B.Sc VI Semester- 2022-23

Sl. No	Reg. No	Name of the Students
01	S2031601	Abhishek Patil
02	S2031602	Aisha Tumbagi
03	S2031603	Aishwarya Patil
04	S2031605	Akshayakumar Patil
05	S2031606	Ambika Shankinamath
06	S2031610	Anusha Dodamani
07	S2031614	Bhagyalaksmi Kashetti
08	S2031618	Danamma Hiremath
09	S2031619	Druvakumar Nayak
10	S2031623	Kavya Nalatawad
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13	S2031639	Ningamma Kalari
14	S2031642	Nisarga Patil
15	S2031647	Pooja Kumbar
16	S2031649	Prajwal Madiwalar
17	S2031653	Rafeek Bannetti
18	S2031656	Ramanagouda
19	S2031657	Ramesh Hampanagoudar
20	S2031658	Rohan Sulibhavi

(Signature)
Co-ordinator,

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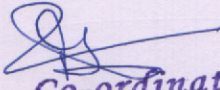
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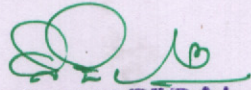
(Signature)
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21	S2031659	Sabaalam Dhakani
22	S2031661	Samarth Patil
23	S2031671	Shivaraj Meti
24	S2031674	Shreekant Lamani
25	S2031675	Siddanagouda Biradar
26	S2031683	Sunita
27	S2031688	Tayyabamuskan Soudagar
28	S2031691	Ummebarira Shabhai
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32	S2031696	Yasmin H.B


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Date : ...2022-23

Department of Zoology

Title of the Project Work: Mimicry in Animals

B.Sc V Semester- 2022-23

Sl. No	Reg. No	Name of the Students
01	S2031601	Abhishek Patil
02	S2031602	Aisha Tumbagi
03	S2031603	Aishwarya Patil
04	S2031605	Akshayakumar Patil
05	S2031606	Ambika Shankinamath
06	S2031610	Anusha Dodamani
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13	S2031639	Ningamma Kalari
14	S2031642	Nisarga Patil
15	S2031647	Pooja Kumbar
16	S2031649	Prajwal Madiwalar
17	S2031653	Rafeek Bannetti
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20	S2031658	Rohan Sulibhavi
21	S2031659	Sabaalam Dhakani

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Date : 2022-23

Department of Zoology

Title of the Project Work: Microscopy

B.Sc III Semester- 2022-23

Sl. No	Reg. No	Name of the Students
01	U15NU21S0002	Kawajabandenavaz Mulawad
02	U15NU21S0024	Manjula Lakkannavar
03	U15NU21S0027	Pratibha Dodamani
04	U15NU21S0032	Muskan Mujawar
05	U15NU21S0035	Sangeeta Jainapur
06	U15NU21S0040	Sohail Desai
07	U15NU21S0065	Vinuta Kumbar
08	U15NU21S0072	Muskan
09	U15NU21S0086	Rajiyabegam Rudrawadi
10	U15NU21S0090	Malappa Kashinakunti
11	U15NU21S0093	Bhagyashree K.

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