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 2.58 on seven point scale at 'B+' Grade)

✆ : 08356220329
FAX : 08356220329

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

Ref. No. : 644/21

Date : 2021-22

Certificate

This is to certify that following are the programme/ curriculum/ Syllabus based project work during the year 2021-22

PRINCIPAL,
M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL-586212. Dist: Vijayapur.

M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL -586212 Dt: Vijayapur.

M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL
-586212
Dt: Vijayapur

ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ವಿದ್ವಾನ್ ಸರ್ವತ್ರ ಪೂಜ್ಯತೆ

ದಶಮಾನೋತ್ಸವ ವರ್ಷ - 2020

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)

Commerce & Science College MUDDEBIHAL - 586212 Dt. Vijayapur

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 : Mulbery 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 silkwarm, 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

M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL
-586212
Dt: Vijayapur

Fourth Semester B.Sc. (Zoology)

Paper Code: ZOODSCT 4.1 **Paper Title:** Genetics and Evolutionary Biology
Teaching Hours: 4 H / Week **Marks:** Th-80+IA-20
Total hours: 60 **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)

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 2.58 on seven point scale at 'B+' Grade)

✆ : 08356220329
FAX : 08356220329

M.G.V.C. Arts, Commerce & Science College MUDDEBIHAL -586212 Dt: Vijayapur.

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

Ref. No. : 642/21

Date : 2021-22

DEPARTMENT OF ZOOLOGY

Project work on 'BEAK MODIFICATION IN BIRDS' for the year 2021-2022

Semester: IVth Semester

Sl.No	Seat No.	Student Name
1.	S2031601	Abhishek Nanagoud Patil
2.	S2031602	Aisha Dawal Tumbagi
3.	S2031603	Aishwarya Sangangouda Patil
4.	S2031605	Akshaykumar B patil
5.	S2031606	Ambika Revanasiddayya Shankinamath
6.	S2031610	Anusha Dodamani
7.	S2031611	Anushasaniya Nandwadagi
8.	S2031614	Bhagyalakshmi Kasheenath Kashetti
9.	S2031618	Danamma Malingayya Hiremath
10.	S2031619	Druvakumar Nayak
11.	S2031623	Kavya Nalatwad
12.	S2031627	Lalita Kareppa Beli
13.	S2031629	Mahmad Arif Haveli
14.	S2031633	Mohammedazaroddin K Bagwan
15.	S2031634	Monika Irayya Hiremath
16.	S2031639	Ningamma Ningappa Kalari
17.	S2031642	Nisarga vishwanath Patil
18.	S2031647	Pooja Sharanappa Kumbar

PRINCIPAL,
M. G. V. C. Arts, Com. & Science College
MUDDEBIHAL - 586212.

19.	S2031649	Prajwal Prakash Madiwalar
20.	S2031653	Rafeek Bannetti
21.	S2031656	Ramangouda
22.	S2031657	Ramesh A Hampangoudar
23.	S2031658	Rohan Kashinath Sulibhavi
24.	S2031659	Sabaalam Nazerahmad Dakhani
25.	S2031660	Sabiyya D Satihal
26.	S2031661	Samarth Prabhuraj patil
27.	S2031665	Sangayya Hiremath
28.	S2031668	Seema Sothe
29.	S2031671	Shivaraj Prabhugouda meti
30.	S20316	Shravankumar K Pyati
31.	S2031674	Shreekant V Lamani
32.	S2031675	Siddangouda Biradar
33.	S2031683	Sunita
34.	S2031688	Tayyabamuskan Soudagar
35.	S2031691	Ummebarira N Shabhai
36.	S2031692	Vandana V Rathod
37.	S2031694	Vinayaka A pujari
38.	S2031695	Yalaguradappa S kodaganoor
39.	S2031696	Yasmin H B

M.C.V.C. Arts, Commerce & Science College * MUDDEBIHAL -586212 Dt: Vijayapur.

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 2.58 on seven point scale at 'B+' Grade)

✆ : 08356220329 / 222175
FAX : 08356220329 / 221121

M.G.V.C. Arts, Commerce & Science College MUDDEBIHAL -586212 Dt: Vijayapur.

* email : princmgvc@gmail.com * www.mgvcmbl.org *

Ref. No. : 642/21 Date : 2021-22

DEPARTMENT OF ZOOLOGY

Project work on 'LOCAL EDIBLE FISHES OF MUDDEBIHAL TALUK'

for the year 2021-2022

Semester: VIth Semester

Sl.No	Seat No.	Name
1.	S1928001	Aaisha Bagawan
2.	S1928005	Aishwarya Kalyani
3.	S1928006	Akash Jadhav
4.	S1928011	Amaresh Koloor
5.	S1928017	Amrutha Hiremath`
6.	S1928020	Anasultana Mulla
7	S1928023	Anil Adagal
8	S1928026	Apeksha Nayak
9	S1928029	Ashok Ammapur
10	S1928033	Ashwini Rathod
11	S1928051	Gurudevi Policepatil
12	S1928053	HanamantrayaWalikar
13	S19280	Hareesh Dodamani
14	S1928055	Husenbasha Havaragi
15	S1928057	Javeriya Bagawan
16	S1928061	Kavya N Bijjur
17	S1928062	Keerthi Nalatwad
18	S19280	Madhu Bhajantri
19	S1928068	Madhusudhan Lokare

PRINCIPAL,
M. G. V. C. Arts, Com. & Science College
MUDDEBIHAL - 586212

20	S19280	Mahesh Nadavinamani
21	S1928070	Maktumsab Mamadapur
22	S1928071	Malanabegum Nadaf
23	S1928075	Maruti Rathod
24	S1928080	Mounesh Pattar
25	S1928081	Naganagouda Policepatil
26	S1928096	Praveen Odi
27	S1928098	Pruthvi Boodi
28	S1928101	Rajashekhar
29	S1928103	Rajiyabegum Nadaf
30	S1928105	Ramappa Gangihal
31	S1928106	Ramesh Dodamani
32	S1928111	Roopa Tunbagi
33	S1928112	Rukiya Mujawar
34	S1928	Sahana Narasalagi
35	S1928117	Sangeeta Ullagaddi
36	S1928122	Shankar Deshmukh
37	S1928124	Shashikant Naik
38	S1928131	Shridhar Hugar
39	S1928133	Sudeep Tiganibidari
40	S1928135	Sunanda Hadapad
41	S1928138	Supriya Hugar
42	S1928140	Tejashwini Hosamani
43	S1928141	Veena Desai
44	S1928143	Veena Gubachi
45	S1928	Venkatesh Rathod
46	S1928146	Vinayak Patil

M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL -586212 Dt: Vijayapur.

47	S1928147	Vinod Dodamani
48	S1928151	Waseemakram Bagawan

M.G.V.C. Arts, Commerce & Science College
MUDDEBIHAL -586212 Dt: Vijayapur.