



Taranath Shikshana Samsthe
Laxmi Venkatesh Desai college, Raichur
Affiliated to Raichur University, Raichur & Re-accredited by NAAC with B Grade



Index for Add-On Course

Title: AQUARIUM KEEPING

Academic Year: 2019

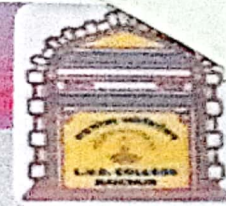
S.No	Particulars	Page no
1	Permission letter	01
2	Request letter of BOS for chairman	2-3
3	Notice	4
4	Syllabus	5-6
5	Timetable	7
6	Attendance	8-9
7	Summary Report	10
8	Model certificate	11
9	Model Question Paper/Answer scripts	12
10	Photos	13.

[Signature]
Co-ordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College, RAICHUR-03.

[Signature]
PRINCIPAL
L.V.D. College, RAICHUR-03.



TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
(Affiliated to [Gulbarga University](#), Kalaburagi Re-Accredited with "B" grade by [NAAC](#))

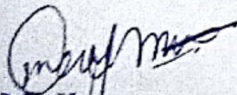


OBJECTIVE OF THE COURSE

- To impart hands on training on feed and feeding technology.
- To promote employment and entrepreneurship in the ornamental fish sector by graduates in fisheries, aquaculture and biological sciences

➤ LEARNING OUTCOMES

- Indulge student's passion.
- Develop Skills to work in a commercial aquarium, zoo, or marine conservation.


Dr. Malkanna
Assoc Prof & HOD
Department of Zoology

Department of Zoology

Introducing

Add-on course

On

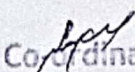
"AQUARIUM KEEPING"

For 30 Hours

Eligibility: XII Passed (BA/ B. Sc /BCA)

Course Start Date: 02.01.2020.

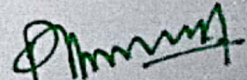
**A warm welcome to all the students
& staff**


Coordinator
Internal Quality Assurance Cell (IQAC)
Laxmi Venkatesh Desai College, RAICHUR-03.



India has the potential to earn about US \$ 5 billion as foreign exchange by way of export of ornamental fishes. India's domestic trade in this area is growing at the rate of 20% annually and demand at domestic level is higher than supply.

The Government of India has also identified this sector as one of the thrust area for development and providing employment to the rural poor as well as unemployed youth.


Prof. P.H. Narahatti
PRINCIPAL
L.V.D. COLLEGE, RAICHUR-03

①

Date: 16.12.2019

To
The Principal,
LVD College, Raichur.

From
Head of Department,
Department of Zoology

Respected Sir,

Sub: Permission to start an Add - On course.

With respect to the above cited subject I, the undersigned request you to grant permission to start an Add-on course titled "AQUARIUM KEEPING" to B.Sc I/II/III year students. The details of syllabus and duration are enclosed. This course helps students to build up their skills. Kindly grant the permission.

Thanking You,

Permitted
[Signature]

PRINCIPAL
L.V.D. College, RAICHUR-03.

Yours Faithfully
[Signature]
TSD

Head of the Department Zoology





TARANATHI SHIKSHANA SAMSTHE

LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

Prof. P.H. Narahatti *M.Sc.*
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollge.com

BOARD OF STUDIES MEETING INVITATION Date: 20-12-2019

Respected Sir/ Madam,

Department of Zoology

Board of meeting which has been scheduled on 20th December 2019 in the Department of Zoology at 10.30 AM. I would like to invite all for BOS meeting to give your valuable suggestion on curriculum and syllabus.

With regards,


HoD

Department of Zoology
Head of the Department, Zoology





TARANATH SHIKSHANA SAMSTHE



LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

Prof. P.H. Narahatti, M.Sc.
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdecollege.com

BOARD OF STUDIES MEETING-MINUTES

Date: 20-12-2019

Department of Zoology

Board of meeting which has been scheduled on 20th December 2019 in the Department of Zoology at 10.30 AM and the discussion are recorded.

Agenda

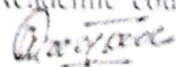
1. To approve the panel of BOS Chairman, External and Internal members for Add-on course.
2. To revise the syllabus.

Meeting minutes

1. BOS board members reviewed the feedback analysis report of all the stalk holders.
2. The reports of Department Advisory Committee were taken into consideration for the BOS meeting.
3. Members reviewed and revised the curriculum and syllabus for Add-on course "AQUARIUM KEEPING".
4. The parameters considered for revision
 - a. Ornamental fishes of India.
 - b. To aware commercially valuable by-products

A detail of the course revisions was done.

The above recommendations are submitted for the approval in the Academic council meeting.


HOD
Head of the Department Zoology





TARANATH SHIKSHANA SAMSTHE



LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

P. H Narahati, *M.Sc*
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollege.com

Date: 20-12-2019

ORDER

Sub: Meeting of Board of Studies members

A meeting of the following BOS constituted is hereby convened on 20-12-2019 at 10.30 AM in the Department of Zoology, L.V.D College, Raichur.

BOARD OF APPOINTMENT OF BOS MEMBERS FOR THE ADD-ON COURSE "AQUARIUM KEEPING"

Sl. No	Name of the Faculty	Designation	Sign
1	Dr. Parshuram Kamble Assistant Professor Department of Zoology Gulbarga University, kalaburagi	Chairman	
2	Mr. Rajesh. M Assistant Professor Department of Zoology G. F.G College, Sindhanur	External Member	
3	Miss. Suvarna Metigouda Assistant Professor Department of Zoology L.V.D College, Raichur	Internal Member	

The Chairman and the members are requested to make it convenient to attend the BOS Meeting





TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

P. H. Narhati, *M.Sc*
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollege.com

Date: 16-12-2019

To,

Dr. Parshuram Kamble
Assistant Professor
Department of Zoology
Gulbarga University, kalaburagi

Sub: Invitation for Board of Studies meeting as Chairman on 20th December 2019 regarding.

Respected sir,

With respect to the above cited subject, we take privilege in inviting you for the Board of Studies Meeting as Chairman for Add-on course "AQUARIUM KEEPING" which will be conducted on 20th December 2019 in the Dept. Of Zoology, L.V.D College, Raichur, for the academic year 2019-20. In this regard, we request for your valuable suggestion in revising the Curriculum & Syllabus based on latest technology which can help the student's community to shape themselves for their bright future. Hence, kindly accept and confirm your visit for attending the Board of Studies meeting. Kindly confirm your visit by informing to the Principal.

With Warm Regards

HoD

Head of the Department Zoology

L.V.D. PRINCIPAL RAICHUR





TARANATH SHIKSHANA
LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

P. H. Narhati, M.Sc
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollege.com

To,

Date: 16-12-2019

Mr. Rajesh. M

Assistant Professor

Department of Zoology

G. F.G College, Sindhanur

Sub: Invitation for Board of Studies meeting as External Member on 20th December 2019 regarding.

Respected sir,

With respect to the above cited subject, we take privilege in inviting you for the Board of Studies Meeting as External Member ember for Add-on course "AQUARIUM KEEPING" which will be conducted on 20th December 2019 in the Dept. Of Zoology, L.V.D College, Raichur, for the academic year 2019-20. In this regard, we request for your valuable suggestion in revising the Curriculum & Syllabus based on latest technology which can help the student's community to shape themselves for their bright future. Hence, kindly accept and confirm your visit for attending the Board of Studies meeting. Kindly confirm your visit by informing to the Principal.

With Warm Regards

HoD

Head of the Department Zoology

PRINCIPAL

PRINCIPAL
L.V.D. College, RAICHUR



To
The Principal,
LVD College,
Raichur.


Date: 19-12-2019

Respected Sir,

Sub: Acceptance to be the chairman of BOS.

With reference to the above-cited subject, Dr. Parashuram Kamble Assistant Professor, Department of Zoology, Gulbarga University, Kalaburagi received invitation letter to be a Chairman of BOS, for the Add-on Course to be conducted by your college. Hence, I give my consent and accept your invitation as a BOS Chairman.

Thanking You,


Yours Sincerely

Date: 19-12-2019

To
The Principal,
L.V.D College,
Raichur.

Respected Sir,

Sub: Acceptance to be a Member of BOS.

With reference to the above-cited subject, I Mr. Rajesh. M Assistant Professor Department of Zoology G. F.G College, Sindhanur received invitation letter to be a Member of BOS, for the Add-on Course to be conducted by your college.

Hence, I give my consent and accept your invitation as a BOS Member.

Thanking You,

Yours Sincerely





TARANATH SHIKSHANA SAMSTHE

LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

Prof. P. H Narahatti
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollege.com

DEPARTMENT OF ZOOLOGY

NOTICE

Based on the feedback analysis and Suggestion of students, college has introduced an Add-on course "AQUARIUM KEEPING" with the duration of 30 hrs. Since students are eligible to get enrolled. After the completion of the course the beneficiaries get good scope on employability. The total seats are restricted to 30 only.

Interested students register their name to the program co-coordinator on or before 23-12-2019.


PRINCIPAL

PRINCIPAL
L.V.D. College, RAICHUR-03.



TARANATH SHIKSHANA SAMSTHE



LAXMI VENKATESH DESAI COLLEGE, RAICHUR

(Affiliated to Gulbarga University, Kalaburagi Re-Accredited with "B" grade by NAAC)

Prof. P. H Narahatti
PRINCIPAL

Office of the Principal
Ph: (08532)-240286, 240707
Fax: + 918532 240707
E-mail: lvdrer@gmail.com
Website: www.lvdcollege.com

Date: 16/12/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, the college has introduced the Add-on course on "AQUARIUM KEEPING" with the duration of 30 hours introduced in 2019. The said programme is apart from the existing course curriculum.

Head of the Department

Principal

PRINCIPAL
L.V.D. College, RAICHUR-03.





DEPARTMENT OF ZOOLOGY
AQUARIUM KEEPING
COURSE OVERVIEW

30 hrs

India has the potential to earn about US \$ 5 billion as foreign exchange by way of export of ornamental fishes. India's domestic trade in this area is growing at the rate of 20% annually and demand at domestic level is higher than supply. The Government of India has also identified this sector as one of the thrust area for development and providing employment to the rural poor as well as unemployed youth.

Now a day's Aquarium keeping has built an interest in amateurs, and has also become a commercial economic source. People get pet from the shops and rare variety of ornamental fishes. Aquarium Maintenance program will teach about freshwater and saltwater fish species and the caretaking of these underwater animals. An aquarist is a trained professional who is responsible for keeping and maintaining an aquarium.

AIMS AND OBJECTIVES:

1. To impart hands on training on feed and feeding technology.
2. To impart hands on training on setting up of aquaria and maintenance.
3. To impart hands on training on culture breeding of commercially important ornamental fishes
4. To promote employment and entrepreneurship in the ornamental fish sector by graduates in fisheries, aquaculture and biological sciences.

SYLLABUS:

1. **UNIT-1** 04 hrs
Introduction to Aquarium Keeping. Aquarium – Definition, Shape and size
Types of aquarium- wooden, Steel, fiber glass, plastic acrylic, iron frame, full glass, garden pool etc.
2. **UNIT-2** 07 hrs
Construction of aquarium. Design and fabrication Materials - Aluminum/ Iron angle, Hack saw, blade, drilling machine, Hammer, glass, glass cutter, tape, file, set square, angle cutter, sticky tape, aquarium cement, silicon tube, silicon gun etc.
3. **UNIT-3** 05 hrs
Setting of Aquarium. Selection of place for aquarium, table or stand, cover for aquarium, light, watering, planting, preparation of bed-sand, gravels, rocks, corals, back glass painting or poster. Aquarium accessories-Aerator, air-stone, toys, filtration, hand net, rubber tube and connectors. Thermometer, heater etc.
4. **UNIT-4** 04 hrs
Maintenance Water parameters/ test and monitor, cycling of water Cleaning of aquarium, light management Food of feeding- live food and dry food/Preparation of supplementary food for aquarium fishes Aquarium fishes, Significance of aquarium.
5. **Practicals:** 10 hrs
 - P – 1. Study on different exotic and endemic species of aquarium fishes.
 - P – 2. To study on characters of marine and fresh water aquarium fishes.
 - P – 3. To study preparation and composition of formulated fish feeds.
 - P – 4. To study fish handling, packing and forwarding techniques.
 - P – 5. Visit to aquarium fish farm.

Learning Outcomes:

1. Economic aspects of aquarium keeping are also covered in this course.
2. This skill is more self-employability oriented.
3. The students' would be able take up aquarium keeping as a source of income.
4. Indulge student's passion.
5. Develop Skills to work in a commercial aquarium, zoo, or marine conservation.
6. Create and manage feature aquariums in offices, shopping centers or other commercial locations.

6

REFERENCE BOOKS:

1. Guide to keeping and breeding the aquarium fishes (1968). Bombay aquarium Society, Mumbai.
2. Fresh water aquarium, Dawes, J.A., Roberts Royce Ltd. London.
3. A Text Book of Pisciculture and Aquarium Keeping- Dhananjay Jadhav, Mohan Babre.
4. A Text Book of Pisciculture & Aquarium Keeping- H. S. Jagtap, S. N. Mukherjee & V. K. Garad., Daya Publishing House, New Delhi.


PRINCIPAL
L.V.D. College, RAICHUR-03.

TARANATH SHIKSHANA SMASTHE
LAXMI VENKATESH DESAI COLLEGE RAICHUR – 584103
ADD ON COURSE TIME TABLE FOR B. Sc I, III & V SEMESTER

DEPARTMENT OF ZOOLOGY
Semester time table for the year 2019-20

Days↓ Time →	9.30-10.20 AM	10.20-11.10 AM	11.10-12.00 PM	12.00-12.50 PM	12.50-1.40 PM	1.40-2.30 PM	2.30-3.20 PM	3.20-4.10 PM	4.10-5.10 PM
Monday									
Tuesday									
Wednesday									
Thursday									ADD ON COURSE
Friday									ADD ON COURSE
Saturday									ADD ON COURSE

[Signature]
HEAD OF THE DEPARTMENT
Head of the Department Zoology

PRINCIPAL

PRINCIPAL
[Signature]
PRINCIPAL
L.V.D. College, RAICHUR-03.

7



Laxmi Venkatesh Desai College, Raichur
 Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade
 Attendance Sheet: 2019-2020

Dates to be written.

Department of Zoology																																	
Class:			Course title: AQUARIUM KEEPING													Faculty Name: Miss. Suvarna Metigouda																	
Sl.No	Register No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			2/1/20	3/1/20	4/1/20	11/1/20	15/1/20	17/1/20	18/1/20	23/1/20	24/1/20	25/1/20	30/1/20	31/1/20	1/2/20	6/2/20	7/2/20	8/2/20	13/2/20	14/2/20	15/2/20	20/2/20	21/2/20	22/2/20	29/2/20	28/2/20	27/2/20	24/2/20	23/2/20	19/2/20	15/3/20	14/3/20	14/3/20
1.	1953142	Vijayalaxmi	P	P	A	A	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
2.	1953156	Shagufta	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
3.	1953163	Vishala	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P
4.	1953183	Parvathi V	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
5.	1953261	Soubhagya	P	P	P	P	P	A	P	A	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	1953295	Suresh	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	A	A	P	P	A	A	A	A	A	A
7.	1953306	Srikrishna	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	1953334	Zubair Khan	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	1953374	Guru Prasad	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	1953460	Suresh	P	P	A	P	P	P	P	P	A	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
11.	1953501	Swetha D	P	P	P	A	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	1953085	Samreen	A	P	P	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Suvarna

Signature of Faculty

Beejase

Signature of HOD
 Head of the Department Zoology.

M.M.M.

Signature of Principal
PRINCIPAL
 L.V.D. College, RAICHUR-03.

8

Laxmi Venkatesh Desai College, Raichur
 Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade
 Attendance Sheet: 2019-2020

Department of Zoology																																	
Class:			Course title: AQUARIUM KEEPING														Faculty Name: Miss. Suvarna Metigouda																
Sl.No	Register No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			2/1/20	3/1/20	4/1/20	16/1/20	17/1/20	18/1/20	21/1/20	24/1/20	15/1/20	31/1/20	31/1/20	1/2/20	6/2/20	7/2/20	5/2/20	13/2/20	14/2/20	13/2/20	16/2/20	20/2/20	27/2/20	22/2/20	24/2/20	28/2/20	19/3/20	4/3/20	5/3/20	15/3/20	14/3/20	13/1/20	14/4/
1.	1953238	SYEDA AFREEN SULTANA	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	1953240	KAVITHA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3.	1953244	NANDITHA P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4.	1953248	ANUSHREE K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	1953249	VENKANAGOWDA M. P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	1953251	RAMESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	1953258	SUSHIMA H S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	1953300	S. SANJANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	1953278	NAGAMANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	1953285	PRATHIBHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	1953287	N CHANNABASAVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	1953303	MAREMMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Suvarna
Signature of Faculty

[Signature]
Signature of HOD

[Signature]
Signature of Principal
L.V.D. PRINCIPAL
 L.V.D. College, RAICHUR-03.

(6)

LAXMI VENKATESH DESAI COLLEGE, RAICHUR**Affiliated to Gulbarga University, Kalaburagi & Re-Accredited by NAAC with B Grade**

Department of Zoology

Report of Add-on course

Add-on course: **AQUARIUM KEEPING**

Duration: 30 Hours

Started on: 02.01.2020.

Completed on: 13.03.2020

Name of the faculty: Miss. Suvarna Metigouda

Total No of students admitted: 24

Total No of classes taken: 30

Total No of students benefited: 24

REPORT:

The aim of the course is to take initiation in Aquarium Keeping helps in educating learners of all ages about conservation and the importance of looking after our planet and the creatures that live in it. Aquariums also provide an easily accessible opportunity to monitor changes within an ecosystem and try relating changes within the system to particular events. For example, water temperature, pH, ammonia and nitrate levels are all variables that can be easily collected and graphed by students. Department of Zoology has offered this course for B.Sc. I, II, III students. This courses biotic factors in maintaining life within an environment. This course was conducted during the 2nd Jan 2020 to 13th March 2020. During this period the lectures and practicals were conducted by resource faculties. 24 students have taken advantage of this course.

After completing this course the students were unable to understand the importance of Aquariums the sensitivity of these systems to change and how small changes can impact the whole system.



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE RAICHUR

(Re-Accredited by NAAC with 'B' Grade)

Certificate

This is to Certify that Miss. / Mr. VISHALA
of Bsc V Sem, 1953156 has completed the Certificate Course in
AQUARIUM KEEPING

Conducted by the Department of ZOOLOGY from
02.01.2020 to 13.03.2020

Head of the Department

Head of the Department Zoology



Principal



Course Structure and Examination Scheme:

Course No:	Course Name	Hours (Classes)	Field visit	Internal Marks	External marks		Total marks
					Theory	Practical	
1	AQUARIUM KEEPING	30	10	10	60	20	100

TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
SUBJECT: ZOOLOGY
INTERNAL ASSESSMENT
COURSE TITLE: AQUARIUM KEEPING

Time: 1 hours

Marks: 10

Q.1. Answer the following (any two)

2X5=10

1. Mention two economic importance of the Aquarium Fish Keeping.
2. Give an account of different types of Aquarium Fish Foods.
3. Explain the packing and forwarding technique of fish transportation..

TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
SUBJECT: ZOOLOGY
THEORY EXAM
COURSE TITLE: AQUARIUM KEEPING

Time: 3 hours

Marks: 60

Q.1. Answer the following (any three)

3X20=60

1. What is Aquarium? Describe the scope of aquarium fish Industry as a cottage Industry.
2. What do you mean by exotic fishes? Write brief notes on any two exotic aquarium fishes
3. Describe the distinguishing characters of the following aquarium fishes: i. Guppy ii. Molly iii. Angel fish iv. Anemone fish
4. Name two diseases of aquarium fish. Write some steps for proper maintenance of an Aquarium.
5. Explain in detail entrepreneurship in Aquaculture.

TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
SUBJECT: ZOOLOGY
PRACTICAL EXAM
COURSE TITLE: AQUARIUM KEEPING

Time: 1 hours

Marks: 20

Q. Answer the following

2X10=20

1. Identify the photograph of the given animals and comment. Any two
2. Field study report (visit to Aquaculture centre) and viva on it

TARANATH SHIKSHANA SAMSTHE
LAXMI VENKATESH DESAI COLLEGE, RAICHUR
 SUBJECT: ZOOLOGY
 MARKS LIST

COURSE TITLE: AQUARIUM KEEPING

Sl. No	Reg. No	Name of the Student	Internal Marks	External Marks		
				Theory	Practical	Total
1	1953142	Vijayalaxmi	09	54	26	89
2	1953156	Shagufta	10	56	21	93
3	1953163	Vishala	08	59	29	96
4	1953183	Parvathi V	10	54	21	85
5	1953261	Soubhagya	09	51	23	83
6	1953295	Suresh	10	58	24	92
7	1953306	Srikrishna	10	56	26	92
8	1953334	Zubair Khan	10	56	28	94
9	1953374	Guru Prasad	07	53	26	86
10	1953460	Suresh	10	58	28	96
11	1953501	Swetha D	09	56	29	94
12	1953085	Saureen	10	59	30	99
13	1953238	SYEDA AFREEN SULTANA	09	56	28	93
14	1953240	KAVITHA	08	54	24	86
15	1953244	VANDITHA P	09	53	26	88
16	1953248	ANUSHREE K	08	58	21	87
17	1953249	VENKAYAGOWDA M.P.	07	56	24	87
18	1953251	RAMESH	10	57	26	93
19	1953258	SUSHMAHS	08	58	27	93
20	1953300	S. SANJANA	09	49	24	82
21	1953278	NAGAMANI	10	49	25	84
22	1953285	PRATHIBHA	08	52	26	86
23	1953287	ACHANNABASWVA	07	53	24	84
24	1953303	MAREMMVA	09	56	29	94

M. S. Prasad



Prasad

Head of the Department Zoology

M. S. Prasad
 PRINCIPAL
 L.V.D. College, RAICHUR-03.