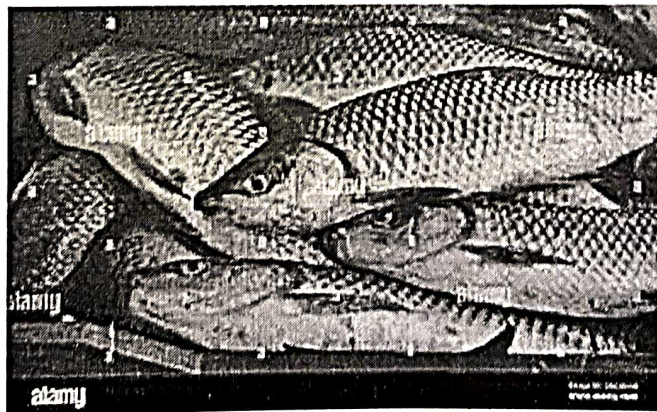
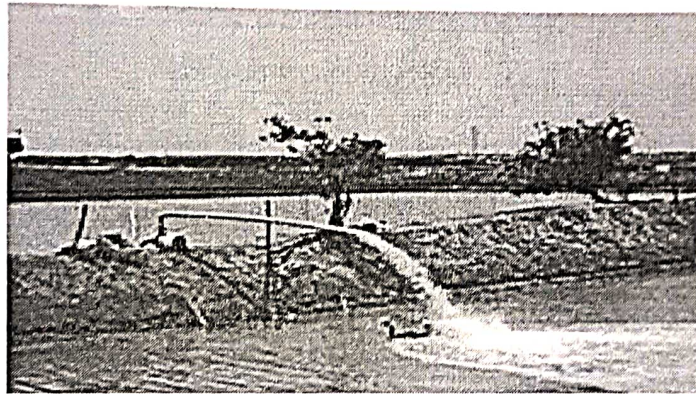


GOVERNMENT DEGREE COLLEGE
(NAAC Accredited at 'B' Level)
Razole-533 242, EAST GODAVARI DISTRICT (A.P)
Department of Zoology
2019-20



Certificate Course on "AQUACULTURE"

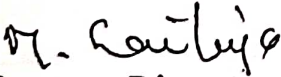


GOVERNMENT DEGREE COLLEGE , RAZOLE

Department of zoology

NOTICE

The Department of Zoology is happy to inform you that a Certificate Course in 'Aquaculture' will be started from 11-11-2019 to 30-12-2019 . This is open to all the students of this College , those who are interested to join in this course may contact Smt. M. Sailaja . Head of the Department for further details .


Course Director
LECTURER IN ZOOLOGY
Government Degree College
RAZOLE


Course Convener
LECTURER IN ZOOLOGY
Government Degree College
RAZOLE


PRINCIPAL
PRINCIPAL
Government Degree College
RAZOLE & E.G.O.

Government Degree College, Razole
Department of zoology

Syllabus 2019-20

Certificate course in Aquaculture

Unit –I

Total Periods:45

1.1 Introduction and Significance of Aquaculture	2
1.2 History of Aquaculture	1
1.3 Present status of Aquaculture	2
1.4 Major Cultivable Species (fresh water, brackish and Marine)	6

Unit –II

2.1 Types of Aquaculture	2
2.2 Principles and Methods of Preservation	6
2.3 Fish Products and By-Products	4
2.4 Hatchery Management	3
2.5 Fish and Shrimp Diseases	4

Unit- III

3.1 Prawn Culture	3
3.2 Shrimp Culture	3
3.3 Ornamental Fish Culture	3
3.4 Oyester Culture	3
3.5 Sea Weed Culture	3

G. Rekha
Convener

M. Sailesh
Course Director
LECTURER IN ZOOLOGY
Government Degree College
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Date	Topics
11 - 11 - 19	Introduction of aquaculture
12 - 11 - 19	significance of aquaculture
13 - 11 - 19	history of aquaculture
14 - 11 - 19	present status of aquaculture in global level
15 - 11 - 19	present status of aquaculture in India
16 - 11 - 19	Fresh water cultivable species
18 - 11 - 19	Carp culture
19 - 11 - 19	Major Carps
20 - 11 - 19	Muriceles
21 - 11 - 19	Cat fishes
22 - 11 - 19	Braakish water cultivable species
23 - 11 - 19	Marine water cultivable species
25 - 11 - 19	Types of aquaculture
26 - 11 - 19	principles of preservation
27 - 11 - 19	principles of preservation
28 - 11 - 19	methods of preservation
29 - 11 - 19	Fish products
30 - 11 - 19	Fish products
2 - 12 - 19	Fish byproducts
3 - 12 - 19	Fish byproducts
4 - 12 - 19	hatchery design
5 - 12 - 19	hatchery management
6 - 12 - 19	bacterial diseases
7 - 12 - 19	viral diseases
8 - 12 - 19	Fungal diseases

6	10 - 12 - 19	prawn culture
7	11 - 12 - 19	shrimp culture
8	13 - 12 - 19	ornamental fish culture
9	14 - 12 - 19	oyster culture
10	17 - 12 - 19	sea weed culture
11	19 - 12 - 19	Revision
12	20 - 12 - 19	Revision
13	21 - 12 - 19	Revision
14	23 - 12 - 19	Revision
15	24 - 12 - 19	Assignments
16	27 - 12 - 19	Assignments
17	28 - 12 - 19	Assignments
18	29 - 12 - 19	Assignments
19	30 - 12 - 19	Examination
20	31 - 12 - 19	Certificate presentation

G. Rekha,
Convener

M. Leilaja
Course Director
LECTURER IN ZOOLOGY
Government Degree College
RAZOLE

Attendance.

[illegible]

-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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-12-19	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
-12-19	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A
-12-19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	P	P	P	P	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	P	P	P	P	P	P	P	A	P	P
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Gr. Racha
Convener

M. Lailay
Course Director
LECTURER IN ZOOLOGY
Government Degree College
24-2-01 E

GOVERNMENT DEGREE COLLEGE RAZOLE

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE ON AQUACULTURE

QUESTION PAPER -2019-2020

Marks :50

Max time: 2 hrs

WRITE ALL THE QUESTIONS

3x10=30M

1. What is the Significance of Aquaculture?
2. Write an essay on Methods of Preservation ?
3. Oyester Culture.

WRITE A SHORT NOTES ON

4x5=20M

1. Cat Fishes.
2. Fungal Diseases in Fish.
3. Shrimp.
4. Aquarium Fishes.

Course Convenor

Course Director

G. Rucha
Convenor

M. Laila
Course Director
LECTURER IN ZOOLOGY
Government Degree College
RAZOLE

No	Name	Max. Marks	Marks Obtained
	B. Karuna Kumari	50	49
	Ch. Anitha	50	48
	D. Bhavani	50	46
	D. Sri Lakshmi Keethi	50	46
	K. Kiran Swamy	50	45
	K. Raju Sree	50	49
	K. Indu	50	48
	K. Snuthi Priya	50	48
	K. Suneela	50	46
	M. Mani Durga	50	46
	M. Pravallika	50	47
	M. Vdaya Kumar	50	48
	N. Naga Rajani	50	48
	P. Sri Latha	50	47
	P. Lavanya	50	47

G. Retha
Convener

M. Kailash
Course Director
LECTURER IN ZOOLOGY
Government Degree College
RAZOLF



GOVERNMENT DEGREE COLLEGE

RAZOLE, Dr B R AMBEDKAR KONASEEMA (Dist), A.P-533242

NAAC Re-Accredited with 'B' Grade



Affiliated To Adikavi Nannaya University

Certificate course on 'Aquaculture'

Certificate of Participation

This is to certify that Kum. B.RAJYALAKSHMI IIIrd CBZ, of Government Degree College Razole has Participated in certificate course on " 'Aquaculture' Organized by Department of Zoology from 11.11.2019 to 30.12.2019.

M. Sailaja

HOD Of Zoology

VSNa

IQAC COORDINATER

Amhane

PRINCIPAL