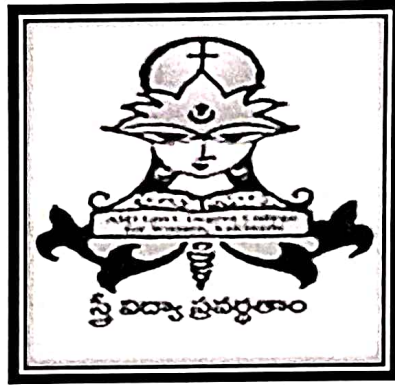


ASD GOVT. DEGREE COLLEGE FOR WOMEN (A)
(Re-Accredited by NAAC with B Grade)
Jagannaickpur, Kakinada-533002, East Godavari, AP

DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

2021-2022



Aquaculture Technology

Certificate Course

PREPARATION OF AQUARIUM

Staff meeting - 2

Dt. 27-9-2021.

The staff members of the Department of Zoology met on 27-9-2021 to discuss certain academic issues. The following resolutions are made.

1. Resolved to complete the syllabus and prepare the students for the forthcoming practical and semester end theory examinations.
2. Resolved to conduct remedial coaching for slow learners to bring them up on par with the other students.
3. Resolved to distribute III B.Sc Zoology - V sem syllabus for the year 2021-22 in the following manner.
Paper V (Animal Biotechnology) - M. Vasantha Lakshmi
Paper VI (Animal Husbandry) - S. Madhavi
4. Resolved to verify the Departmental stock and Departmental Records to understand the condition of the Department as both the staff members in Zoology are new to this college.
5. Resolved to take active part in the enhancement of admission percentage of first year students.
Resolved to guide the students and help them in online admission process.

6. Resolved to create whatsapp groups for the candidates who applied for online admission and provide important information regarding admissions.

7. Resolved to propose the Department for the online Academic council meeting which is to be held in the Month of October 2021.

8. Resolved to conduct certificate courses "Fish by-products" from December 2021 and "Preparation of Aquarium" from February 2022.

Signature of the lecturer

Signature of the Dept. In charge

DEPARTMENT OF ZOOLOGY
S.S. GOVT. COLLEGE FOR WOMEN
KAKINADA-2

1. S. Madhavi

2. N. K. Chaitanya

V. N. R.

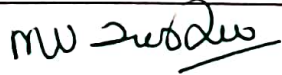
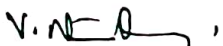
PRINCIPAL
S.S. GOVT. DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A)

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

Jagannaickpur, Kakinada - 533002, East Godavari, AP.

Certificate Course 2021-2022

Date	15-02-2022 to 18-04-2022.
Conducted through (DRC/JKC/NCC/NSS/Department)	Zoology and Aquaculture Technology
Nature of Activity	Certificate Course
Title of the Activity	Preparation Of Aquarium
Name of the Department/Committee	Zoology and Aquaculture Technology
Details of Resource Persons (Name. Designation etc.)	N. Veera Chanti Guest faculty in Aquaculture Technology
No. of Students Participated	26
Brief Report on the Activity	Certificate course on Preparation Of Aquarium conducted by the department of Zoology and Aquaculture Technology for 45 hrs in which a total of 26 students were enrolled and participated. All the students completed the course and also appeared for the examination conducted at the end of the course. They have been given grades. The certificates are also given to them. The course was held from 15-02-2022 to 18-04-2022.
Name of the Lecturers who Planned & Conducted the Activity	M. Vasantha Lakshmi HOD in Zoology S. Madhavi Lecturer in Zoology N. Veera Chanti Guest faculty in Aquaculture Technology
Signature of the in Charge	
Signature of the Principal	
Remarks	

From:

M. Vasantha Lakshmi,
In-charge of Dept. of Zoology and
Aquaculture Technology,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

To,

Principal,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

Respected madam,

Sub: ASD GDC (W) (A), Kakinada - Department of Aquaculture Technology – Commencement of Certificate Course on **Preparation of Aquarium** on **15-2-2022** for the year 2021-2022- permission requested - regarding.

With reference to the subject cited, I bring to your kind notice that the Department of Aquaculture Technology is offering a certificate Course on **Preparation of Aquarium** for the year 2021-2022 with a duration of 45 days. In this connection, I request you to accord permission for commencing the course from **15-2-2022**.

Thanking you madam,

Yours Sincerely,


(M. Vasantha Lakshmi) 5/2/2022

Enclosure: Circular showing the details.

ASD GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)
(Re- Accredited by NACC with "B" Grade)

KAKINADA, EAST GODAVARI, ANDHRA PRADESH-533002.

DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY



CIRCULAR

**DEPARTMENT OF AQUACULTURE TECHNOLOGY OFFERS
A CERTIFICATE COURSE**

In

PREPARATION OF AQUARIUM

Objectives:

- 1. To provide the Proper maintenance management of the aquarium.**
- 2. To Promote Employability skills among the students.**
- 3. To make the aquarium in Attractive form by learning aquascaping**
- 4. To promote Women Empowerment**
- 5. To provide knowledge about different species cultured in the aquarium.**

- Duration 45 Hours**
- Students Intake -30**
- Eligibility I year, II year and III year UG Students.**

Course COMMENCES on 15-2-2021

Interested Students can enroll their names in the Department of Zoology and Aquaculture Technology on or before 15-2-2021.

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

List of Teaching Staff

S.No	Name of the Employee	Designation	Signature
1.	Dr. V. Anantha Lakshmi	Principal	
2.	M. Suvarchala	Lec. in Home Science	M. Suvarchala
3.	P. Sanjotha	Lec. in English.	Sanjotha
4.	Y. Swarna Sree	Lec. in English.	
5.	Dr.P.Shanthi	Lec. in English.	P. Shanthi
6.	Dr. D.Krishna Gayathri	Lec. in Telugu.	D. Krishna Gayathri
7.	K. Madhavi	Lec. in Telugu.	
8.	Dr. K. Syamala Devi	Lec. in Telugu.	
9.	A. Swathi	Lec. in Hindi.	A. Swathi
10.	P. Mallikarjuna Sarma	Lec. in Chemistry	
11.	Dr. K. Jhansi Lakshmi	Lec. in Chemistry	K. Jhansi Lakshmi
12.	Dr. S. Priya Darshini	Lec. in Chemistry	
13.	P. Leena	Lec. in Chemistry	P. Leena
14.	K.N. V. S. N Eswari	Lec. in Botany	K.N. V. S. N Eswari
15.	Dr. M. Sulakshana	Lec. in Botany	
16.	K. Venkateswara Rao	Lec. in Physics	
17.	B.Surya Narayana Devara	Lec. in Physics	B. Surya Narayana Devara
18.	D. Jaya Sree	Lec. in Microbiology	D. Jaya Sree
19.	M. Vasantha Lakshmi	Lec. in Zoology	
20.	S.Madhavi	Lec. in Zoology	S. Madhavi
21.	K. Lavanya	Lec. in Home Science	
22.	Dr. G. Anitha	Lec. in Home Science	
23.	Y. Sita Maha Lakshmi	Lec. in History	
24.	Dr. K. Yamuna	Lec. in Economics	K. Yamuna
25.	G. Pavani Devi	Lec. in Economics	
26.	N.N. Subramanyeswari	Lec. in Computer Science	N.N. Subramanyeswari
27.	G. Satya Suneetha	Lec. in Computer Applications	
28.	G. Prameela Rani	Physical Director	
29.	R.R.B Sirisha	Lec. in Commerce	R.R.B Sirisha
30.	N.P.V.L Devi	Lec. in Commerce	N.P.V.L Devi
31.	Dr. G. Sowjanya	Lec. in Commerce	G. Sowjanya

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Contact /Guest Faculty

S.No	Name of the Employee	Designation	Signature
1.	M. Subba Lakshmi	C/F in Chemistry	M. Subba
2.	P. Rajya Lakshmi	C/F in Commerce	
3.	K.N.B Kumari	C/F in Commerce	K.N.B Kumari
4.	K. Kranthi	C/F in Physics	
5.	D.M. Ratna Kumari	C/F in Maths	
6.	L. Malleswari	G/F in Home Science	L. Malleswari
7.	V. Srinivas	G/F in Commerce	V. Srinivas
8.	P.Bhuvanewari	G/F in Political Science	P. B. U.
9.	M. Pushpa Latha	G/F in Commerce	
10.	A. Sandhya	G/F in Commerce	A. Sandhya
11.	Ch.S.S.V Prasad	G/F in Commerce	
12.	Dr. R. Aruna Devi	G/F in Sanskrit	Dr. R. Aruna Devi
13.	A. K.V Acharyulu	Librarian	A. K. V. Acharyulu
14.	L. Bhanu Teja	G/F in History	
15.	N. Pushpa	G/F in Botany	N. Pushpa
16.	K. Surya Lakshmi	G/F in Computer Science	K. S. Lakshmi
17.	N. Veera Chanti	G/F in Aquaculture Technology	N. Veera Chanti

18 MD. H. pareen G/F in commerce

MD. H. Pareen

ASD GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

(Re- Accredited by NACC with "B" Grade)

KAKINADA, EAST GODAVARI, ANDHRA PRADESH-533002.

DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY



AQUACULTURE TECHNOLOGY OFFERS
A CERTIFICATE COURSE

In

PREPARATION OF AQUARIUM

- Duration: 45 Hours
- Teaching Hours: 6 hours per week 3 Hours Theory and 3 hours practical
Every day (9.00 to 10.00)
- Students Intake: 30
- Eligibility: I year, II year and III year UG Students.
-

Objectives:

1. To provide the Proper maintenance and management of the aquarium.
2. To Promote Employability skills among the students.
3. To make the aquarium in Attractive form by learning aquascaping
4. To promote Women Empowerment
5. To provide knowledge about different species cultured in the aquarium.

Evaluation Process:

Assessment of candidates will be done through course end examination after completion of the course. All successful candidates will be awarded with certificates.

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY

Aquaculture Technology Certificate Course

PREPARATION OF AQUARIUM

PREPARATION OF AQUARIUM 2021-2022

Module- 1: Introduction to Aquarium

- a) History of Aquarium.
- b) Benefits of Aquarium.
- c) Types of Aquarium.

Module- 2: Preparation of Aquarium

- a) Materials required for Construction.
- b) Aquarium Making.
- c) Precautions for Construction of Aquarium.
- d) Aquascaping.
- e) Selection of fishes for aquarium.

Module- 3: Maintenance of Aquarium

- a) Types of aerators and Filters used in aquarium.
- b) Feed Management.
- c) Water quality management.
- d) Disease management.

ASD GOVERNMENT DEGREE COLLEGE FOR WOMEN, (A).
(Re- Accredited by NACC with "B" Grade)

KAKINADA, EAST GODAVARI, ANDHRA PRADESH-533002.
DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY

AQUACULTURE TECHNOLOGY
CERTIFICATE COURSE

In
Preparation of Aquarium
(2021-2022)

Student Registration Form

1. Name : Mosa. Suguna
2. Name of the Parent /Guardian : M. Venkatesh
3. Class : III ~~BSC~~ CZAT
4. Admission No : 11182
5. Register No : 1936003
6. Address for Communication : Mosavaru Street, Turangi peta.
Jagannaickpur, Kakinda,
East Godavari jilla.
7. Contact No : 8688181897
8. Mail Id :


Signature of the lecturer in charge


Signature of the Student

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA,

Department of Zoology and Aquaculture Technology

AQUACULTURE TECHNOLOGY

PREPARATION OF AQUARIUM 2021-2022

LIST OF STUDENTS REGISTERED IN CERTIFICATE COURSE

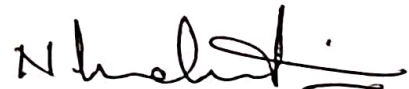
S. No	Regd No.	Name of the Student	Group
1	1936002	Kadali. Lakshmi sai lalitha	III B.Sc CZAqT
2	1936003	Mosa. Suguna	III B.Sc CZAqT
3	1936006	Lingala. Durga bhavani	III B.Sc CZAqT
4	1936009	Mylapalli. Bharathi	III B.Sc CZAqT
5	1936010	Badda. Vineesha rani	III B.Sc CZAqT
6	1933005	Doma. Eswari kumari	III B.Sc CBZ
7	1933023	Guthula. Anjali devi	III B.Sc CBZ
8	1933033	Peyyala. Sravanthi	III B.Sc CBZ
9	1933034	Pikki. Suneetha	III B.Sc CBZ
10	1933035	Ponnada. jayashila	III B.Sc CBZ
11	2036002	Donna. Sony	II B.Sc CZAqT
12	2036003	Kamadi. Gnana Nageswari	II B.Sc CZAqT
13	2036004	Sigatapula. Hema durgadevi	II B.Sc CZAqT
14	2036007	Dadala. Pujitha	II B.Sc CZAqT
15	2036009	Gunapalli. Krishnaveni	II B.Sc CZAqT
16	2036011	Khandavalli. Lakshmi kumari	II B.Sc CZAqT
17	2036014	Madiki. Priya	II B.Sc CZAqT
18	2036017	Penta. Chunalika	II B.Sc CZAqT
19	2036018	Pilaka. Sailakshmi	II B.Sc CZAqT
20	2036019	Pukkela. Anitha	II B.Sc CZAqT
21	2038008	Peyyala. Hima bindu	II B.Sc CBZ (EM)
22	2038010	Singampalli. Yamini	II B.Sc CBZ (EM)
23	2038016	Jeedam. Lova kumari	II B.Sc CBZ (EM)
24	2038018	Kedari. Malleswari	II B.Sc CBZ (EM)
25	2033023	Pulapakura. Smylee	II B.Sc CBZ (TM)
26.	2033030	Yerramneedi. Sri devi	II B.Sc CBZ (TM)

A.S.D GOVERNMENT DEGREE COLLEGE FOR WOMEN (A), KAKINADA.
DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY
AQUACULTURE TECHNOLOGY

Certificate Course Syllabus Completion Certificate (2021-2022)

The prescribed Syllabus of the Certificate Course Preparation of Aquarium for the academic year 2021-2022 has been completed as per the schedule.

Date: 18-4-2022


Signature of the lecturer

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF ZOOLOGY AND AQUACULTURE TECHNOLOGY

**Aquaculture Technology Certificate Course
PREPARATION OF AQUARIUM
QUESTION PAPER**

Max. Marks: 50.

Date: 21-4-2022

Time: 1hr.30

min.

SECTION-A

I. Answer any four questions.

4x5=20 Marks

1. History of Aquarium.
2. Types of Aquarium.
3. Benefits of Aquarium.
4. Precautions for Construction of Aquarium.
5. Selection of fishes for aquarium.
6. Different types of feeds used in aquariums.

SECTION-B

II. Answer any three questions.

3x10 = 30 Marks

1. Explain the material required and the construction of the aquarium.
2. Explain the materials used and the design and styles in aquascaping.
3. Explain the types of aerators and filters used in aquarium
4. Explain the water quality management in aquarium.

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A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA.

Department of Zoology and Aquaculture Technology

Aquaculture Technology

PREPARATION OF AQUARIUM 2021-2022

CERTIFICATE COURSE STUDENT EXAM ANALYSIS REPORT

S. No	Regd No.	Name of the Student	Group	Grade
1	1936002	Kadali. Lakshmi sai lalitha	III B.Sc CZAqT	A
2	1936003	Mosa. Suguna	III B.Sc CZAqT	A
3	1936006	Lingala. Durga bhavani	III B.Sc CZAqT	A
4	1936009	Mylapalli. Bharathi	III B.Sc CZAqT	A
5	1936010	Badda. Vineesha rani	III B.Sc CZAqT	A
6	1933005	Doma. Eswari kumari	III B.Sc CBZ	A
7	1933023	Guthula. Anjali devi	III B.Sc CBZ	A
8	1933033	Peyyala. Sravanthi	III B.Sc CBZ	A
9	1933034	Pikki. Suneetha	III B.Sc CBZ	A
10	1933035	Ponnada. jayashila	III B.Sc CBZ	A
11	2036002	Donna. Sony	II B.Sc CZAqT	A
12	2036003	Kamadi. Gnana Nageswari	II B.Sc CZAqT	A
13	2036004	Sigatapula. Hema durgadevi	II B.Sc CZAqT	A
14	2036007	Dadala. Pujitha	II B.Sc CZAqT	A
15	2036009	Gunapalli. Krishnaveni	II B.Sc CZAqT	A
16	2036011	Khandavalli. Lakshmi kumari	II B.Sc CZAqT	A
17	2036014	Madiki. Priya	II B.Sc CZAqT	A
18	2036017	Penta. Chunalika	II B.Sc CZAqT	A
19	2036018	Pilaka. Sailakshmi	II B.Sc CZAqT	A
20	2036019	Pukkela. Anitha	II B.Sc CZAqT	A
21	2038008	Peyyala. Hima bindu	II B.Sc CBZ (EM)	A
22	2038010	Singampalli. Yamini	II B.Sc CBZ (EM)	A
23	2038016	Jeedam. Lova kumari	II B.Sc CBZ (EM)	A
24	2038018	Kedari. Malleswari	II B.Sc CBZ (EM)	A
25	2033023	Pulapakura. Smylee	II B.Sc CBZ (TM)	A
26.	2033030	Yerramneedi. Sri devi	II B.Sc CBZ (TM)	A



A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re- Accredited by NAAC with 'B' Grade)
(Affiliated to Adikavi Nannaya University)

Jagannaickpur, Kakinada-533002, East Godavari, AP.



CERTIFICATE COURSE

ON

PREPARATION OF AQUARIUM

CERTIFICATE

This is to certify that Ms. Kadoli Lakshmi Sai Lalitha has completed a 45 day
of III B.Sc C3Aq7
Certificate course on "PREPARATION OF AQUARIUM" Organized by The Department of Aquaculture Technology,
A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), Jagannaickpur, Kakinada. From 15/02/2022 to 18/04/2022 and
secured 'A' in the Examination conducted on 21/04/2022

M. Subbarao
Convener & In-Charge

V. Ananthulu
Principal

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA,

Department of Zoology and Aquaculture Technology

**Preparation of Aquarium (2021-2022)
CERTIFICATE COURSE STUDENT FEEDBACK**

S. No	Regd No.	Name of the Student	Group	Signature and Feed Back
1	1936002	Kadali. Lakshmi sai lalitha	III B.Sc CZAqT	K. lakshmi sai lalitha. (Excellent)
2	1936003	Mosa. Suguna	III B.Sc CZAqT	M. Suguna (good)
3	1936006	Lingala. Durga bhavani	III B.Sc CZAqT	L. Durga bhavani (good)
4	1936009	Mylapalli. Bharathi	III B.Sc CZAqT	M. Bharathi (good)
5	1936010	Badda. Vineesha rani	III B.Sc CZAqT	B. Vineesha rani good
6	1933005	Doma. Eswari kumari	III B.Sc CBZ	D. Eswari kumari
7	1933023	Guthula. Anjali devi	III B.Sc CBZ	G. Anjali (Excellent)
8	1933033	Peyyala. Sravanthi	III B.Sc CBZ	P. sravanthi V. Good
9	1933034	Pikki. Suneetha	III B.Sc CBZ	P. suneetha
10	1933035	Ponnada. jayashila	III B.Sc CBZ	P. jayashila (Good)
11	2036002	Donna. Sony	II B.Sc CZAqT	D. Sony Excellent
12	2036003	Kamadi. Gnana Nageswari	II B.Sc CZAqT	K. Gnana nageswari (Good)
13	2036004	Sigatapula. Hema durgadevi	II B.Sc CZAqT	S. Hemadurgadevi (Excellent)
14	2036007	Dadala. Pujitha	II B.Sc CZAqT	D. Pujitha (Good)
15	2036009	Gunapalli. Krishnaveni	II B.Sc CZAqT	G. krishnaveni (Very good)
16	2036011	Khandavalli. Lakshmi kumari	II B.Sc CZAqT	K. lakshmi kumari (Good)
17	2036014	Madiki. Priya	II B.Sc CZAqT	M. Priya excellent.
18	2036017	Penta. Chunalika	II B.Sc CZAqT	P. Chunalika (Good)
19	2036018	Pilaka. Sailakshmi	II B.Sc CZAqT	P. Sailakshmi (good)
20	2036019	Pukkela. Anitha	II B.Sc CZAqT	P. Anitha (good)
21	2038008	Peyyala. Hima bindu	II B.Sc CBZ (EM)	P. Himabindu
22	2038010	Singampalli. Yamini	II B.Sc CBZ (EM)	S. Yamini (Excellent)
23	2038016	Jeedam. Lova kumari	II B.Sc CBZ (EM)	J. Lova kumari (Good)
24	2038018	Kedari. Malleswari	II B.Sc CBZ (EM)	K. Malleswari (Good)
25	2033023	Pulapakura. Smylee	II B.Sc CBZ (TM)	P. Smylee
26.	2033030	Yerramneedi. Sri devi	II B.Sc CBZ (TM)	Y. Sri devi