

**A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A),**  
(Re- Accredited by NAAC with B Grade)  
**Jagannaickpur, Kakinada-533002, East Godavari, APS**

**DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY**

**2018-2019**



**Group Discussion**

**on**

**Culture Systems in Aquaculture**

# ASD Govt. Degree College for Women (A)

Jagannaickpur, Kakinada

## Activity register 2019-2020

|   |  |
|---|--|
| Date  | 17-8-19  |
| Conducted through<br>(DRC/JKC/NCC/NSS/Department)               | <b>Aquaculture Technology</b>  |
| Nature of Activity<br>(Seminar/Workshop/Extn.<br>Lecturer ect.) | <b>Group Discussion</b>  |
| Title of the Activity   | <b>Culture SystemS in Aquaculture</b>  |
| Name of the<br>Department/Committee                             | <b>Aquaculture Technology</b>  |
| Details of Resource Persons<br>(Name. Designation ect.)         | <b>U. Satyanarayana<br/>N. Veera Chanti<br/>B. Sonia</b>   |
| No. of Students Participated                                    | <b>18</b>  |
| Brief Report on the Activity                                    | <b>To raise the spirit of the students<br/>developing their skills on general<br/>knowledge besides learning</b> |
| Name of the Lecturers who<br>Planned & Conducted the Activity   | <b>U. Satyanarayana<br/>N. Veera Chanti<br/>B. Sonia</b>   |
| Signature of the in Charge                                      | <b>V. Ananthalakshmi mam lecturer<br/>in chemistry</b>   |
| Signature of the Principal                                      | <i>H. Sivarani. 9/9/19</i>   |
| Remarks   |  |

## Different types of Aquaculture systems!

Selection of proper type of culture system for any proposed Aquaculture activity is a critical factor in the optimised production & proper utilisation of the available land & water supply.

### Open culture:-

Open systems are the oldest and its farming is the use of the environment as the fish farm culture systems and organisms to be cultured are stock in the water body.

Ex:- cages, long, lines, floats, rafts, trays & clam beds

### Cage culture:-

Culture of fish or other organisms in a river lake or bays by holding them in cages. It is built of metal rods, bamboo mesh or p.v.c pipes (polyvinyl chloride) and covered by mosquito cloth or nylon net.

### Pen culture:-

Pens are the specially designed nylon or bamboo made enclosures constructed in a water body.

### Raft culture:-

Raft culture are generally made of bamboo poles or

metal rods with troughs at the top for floating in the water.

### Rock culture:-

Rueles are constructed in brackish water areas and in shale areas for rearing oysters mussels, seaweeds etc.

### Semi closed type culture:-

In semi closed culture water is taken in from natural source or ground water. and directly into specially designed ponds & race ways.

### Pond culture:-

The management appajivity of aquaculture through out the world is conducted in ponds culturing the fish, shrimp prawn etc....., in both fresh water & brackish water.

### Race way culture:-

A series of earthen or cement - tanks are constucted along the cours of a river stream and are used for fish culture. Race way is a culture chamber that is generally narrow. water enter at one end & levels through the other end in most cases.

### closed..culture system:-

In closed culture no water is exchanged and water s subjected to extensive treatment. Farmer has complete control over growing condition in closed system. The temperature

is regulated parasite or predator are not found and harvesting is simple.

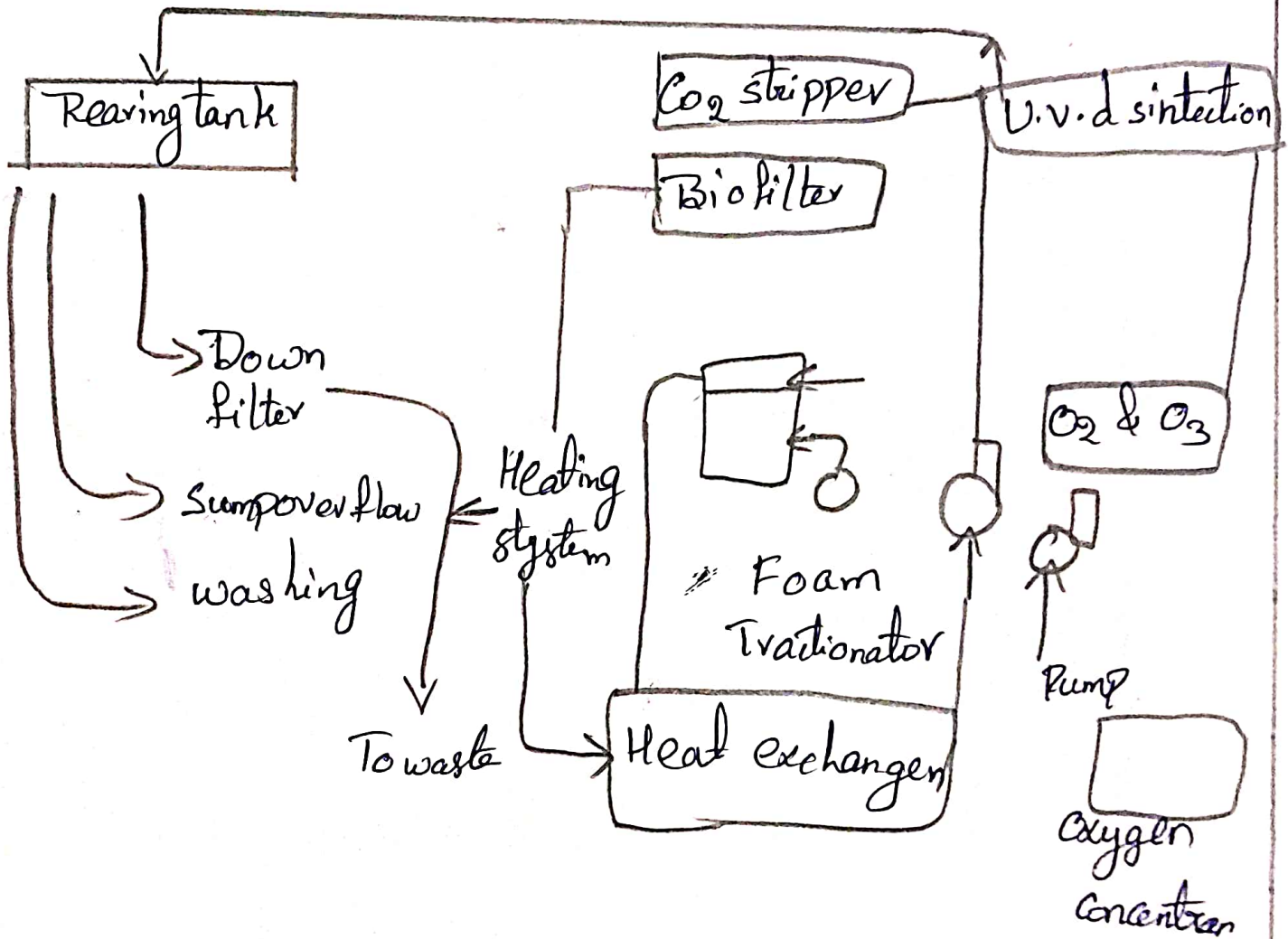
### Water recirculation:-

Here the water is conserved through out most or all the growing season by circulation in the culture tanks after purifying it through biological filter. closed recirculating water system are being used primarily for experimental work and for the rearing of larval organisms in commercial facilities. It is a component is

- i) culture chamber. Primary setting biological filter, final clarifier or secondary setting for purification of water for reuse.

# Water recirculation system

↓ Make up water supply.



DEPARTMENT OF ZOOLOGY

Department of Aquaculture Technology

Group Discussion

Topic - Culture Systems  
in Aquaculture

II, I C2Agt students participated in  
Group Discussion.



Topic: Culture systems in Aquaculture



on 17.8.19



# Department of Aquaculture

## I & II year Aquaculture students

| S.No | Name of the Student | Signature        |
|------|---------------------|------------------|
| 1    | Durga k.s           | Durga k.s.       |
| 2    | B. Aparna           | B. Aparna        |
| 3    | G. Geetha           | G. Geetha.       |
| 4    | K. Vatsavi          | K. Vatsavi       |
| 5    | M. Sudha Mounika    | M. Sudha mounika |
| 6    | V. Anusha           | V. Anusha        |
| 7    | M. Anusha           | M. Anusha        |
| 8    | B. Mounika          | B. mounika       |
| 9    | E. Karuna           | E. Karuna        |
| 10   | E. Lavanya          | x E. Lavanya     |
| 11   | G. Bhanudeepthi     | G. Bhanudeepthi  |
| 12   | G. Vasantha         | G. Vasantha      |
| 13   | K. Sridevi          | K. Devi          |
| 14   | K. Devi             | P.N. Satya Sai   |
| 15   | P.N. Satya Sai      | B. Chandu        |
| 16   | B. Chandu           | K. Lakshmi Durga |
| 17   | K. Lakshmi Durga    | M. Rajitha Devi  |
| 18   | M. Rajitha Devi     | Y. Divya Sai     |
| 19   | Y. Divya Sai        | M. Bharathi      |
| 20   | M. Bharathi         | V. Keerthana     |
| 21   | V. Keerthana        | L. Durga Bhavani |
| 22   | L. Durga Bhavani    | G. Sudha         |
| 23   | G. Sudha            | B. Venisha Paul  |
| 24   | B. Venisha          |                  |