

(CCAM01)

ASSIGNMENT – 1

**CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT**

Introduction to Aquaculture Management

**MAXIMUM : 30 MARKS
ANSWER ALL QUESTIONS**

- Q1)** Write about intensive and semi intensive shrimp farming practices.
- Q2)** Give an account on the species of crabs cultured and their biology.
- Q3)** Explain the general characteristics and the history of brackish water prawns.
- Q4)** Write about the seed selection criteria in shrimp farming. Add a note on seed quality rating.
- Q5)** Discuss the importance of carbohydrates and vitamins for shrimp feeding.

(CCAM01)

ASSIGNMENT -2

CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT

Introduction to Aquaculture Management

MAXIMUM : 30 MARKS
ANSWER ALL QUESTIONS

- Q1)* Give an account on nutrition required for feeding in aquaculture technology. Add a note on nutritional imbalances.
- Q2)* Write in detail about Hatchery site selection design and construction.
- Q3)* Write about the preparation of brood stock, spawning and larval rearing.
- Q4)* Explain the causes for risks in aquaculture business and suggest methods for managing risks.
- Q5)* Give an account on the monitoring economics and financial performances of aquaculture technology.



(CCAM02)

ASSIGNMENT – 1

**CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT**

Water Quality Management & Disease Diagnosis

MAXIMUM : 30 MARKS

ANSWER ALL QUESTIONS

- Q1)** How do you determine COD in water samples? Explain the principle of aeration of water.
- Q2)** How do you determine salinity and iron in water samples?
- Q3)** Write the causes and treatment of necrosis virus in fishes.
- Q4)** Explain the causes and treatment of infectious Hematopoietic virus.
- Q5)** Explain the diagnosis and treatment of vibriosis bacteria in fishes.

(CCAM02)

ASSIGNMENT -2

**CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT**

Water Quality Management & Disease Diagnosis

MAXIMUM : 30 MARKS

ANSWER ALL QUESTIONS

- Q1)** Explain the diagnosis and treatment of white spot syndrome (WSSU) bacteria.
- Q2)** What are Brown gill disease and white gill disease in fishes? Explain the treatment for these diseases.
- Q3)** What is muscle necrosis? Write the causes for the diseases of fishes and their control methods.
- Q4)** Write in detail about bioremediation in shrimp farming. Explain the use of probiotics for bio remediation.
- Q5)** Explain the isolation and analysis of vibrio in water ponds.



(CCAM03)

ASSIGNMENT – 1
CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT

Aqua Informatics and Processing Technology

MAXIMUM : 30 MARKS
ANSWER ALL QUESTIONS

- Q1)* Write the basics of internet explain SPSS software package useful to aquaculture.
- Q2)* How statistical methods are useful in the analysis of aquaculture data collected from various sources?
- Q3)* Discuss the collection of aquaculture data from Village wise and Mandal wise.
- Q4)* How do you arrive cost of production analysis in fish and shrimp culture?
- Q5)* Write in detail about mobile apparatus for aquaculture.

(CCAM03)

ASSIGNMENT – 2

**CERTIFICATE COURSE DEGREE EXAMINATION, MAY – 2019
SUSTAINABLE AQUACULTURE MANAGEMENT**

Aqua Informatics and Processing Technology

MAXIMUM : 30 MARKS

ANSWER ALL QUESTIONS

- Q1)** Explain the preparation of daily reports and weekly reports on aqua data. How do you preserve the collected data?
- Q2)** Write about feed and biomass calculation in fish and shrimp culture technology.
- Q3)** Explain the principle and applications of freeze drying techniques in aquaculture technology.
- Q4)** Discuss the process of packing and storage of dried products.
- Q5)** Write in detail about the export of marine products and the statutory laws in the export.

