

**ASSIGNMENT - 1, DEC - 2018.**

**PG Diploma in Advanced Aquaculture Management**

**Paper - I : Principles and Practices of Aquaculture**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** What is aquaculture? Give a definition, scope of significance of aquaculture.
  - 2)** Give a detailed account on major river systems of India and their fisheries.
  - 3)** Describe the general characters and life history of Machrobrachium rosenbergii
  - 4)** Write an essay on life history of penaeus stylostris.
  - 5)** Give an account on poly culture system in aquaculture
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**ASSIGNMENT - 2, DEC - 2018.**

**PG Diploma in Advanced Aquaculture Management  
Paper - I : Principles and Practices of Aquaculture**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Write an essay on cold water fishes.
  - 2)** Give a detailed account on cultivable species for brackish water culture.
  - 3)** Describe the traditional prawn culture system in India.
  - 4)** Write an essay on common aquarium plants and their multiplication.
  - 5)** Give an account on ornamental objects, aerators and filters used in aquaria.
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**Paper - II : Aquaculture Management Practices**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Write an essay on general principles in shrimp farming.
  - 2)** Give an account on pond stocking and acclimatization.
  - 3)** Write an essay on components of feed.
  - 4)** Give a detailed account on nutritional imbalances and feed calculations in shrimp farming.
  - 5)** Write an essay on minerals and their importance in shrimp health.
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**Paper - II : Aquaculture Management Practices**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Give a detailed account on pond management and add a note on chemicals used for treatment of pond water.
  - 2)** Describe the various types of aquaculture products available in the market.
  - 3)** Write an account on collection of farmer opinion on products and add a note on farmer data analysis.
  - 4)** Write an essay on exports of fish and fishery products.
  - 5)** What are the problems of fish and shrimp marketing in India.
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**Paper - III : Disease Diagnosis and Management**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1) Write an account on diagnosis and management of yellow – head virus.
  - 2) Give an account on infectious hypodermal and hematopoietic necrosis virus.
  - 3) Write an essay on the diagnosis and control methods of vibriosis.
  - 4) Write an essay on running mortality syndrome.
  - 5) Give an account on molecular tools and techniques for disease diagnosis.
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**Paper - III : Disease Diagnosis and Management**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Write an essay on water management for disease prevention and control in shrimp farming.
  - 2)** Give an account on the role of herbal medicine in controlling fish diseases.
  - 3)** Write an essay on biosecurity and bioremediation in shrimp farming.
  - 4)** Write an essay on traditional aquaculture medicines.
  - 5)** Give an account on the use of zeolite and dolomite in aquaculture.
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**Paper - IV : Aquaculture Information System and Alternative Technologies**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Write an essay on use of internet in culture data collection.
  - 2)** Explain the strategies followed for publishing the data in public domains.
  - 3)** Describe the use of mobile applications in recording and monitoring aquaculture data.
  - 4)** Write an essay on farmer data base management in aquaculture.
  - 5)** Give an account on developing business plan for aquaculture and add a note on marketing of aquaculture products.
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**ASSIGNMENT - 2, DEC - 2018.**

**PG Diploma in Advanced Aquaculture Management**

**Paper - IV : Aquaculture Information System and Alternative Technologies**

**Maximum : 30 MARKS**

**Answer ALL questions.**

- 1)** Write an essay on financing aquaculture business.
  - 2)** Give a detailed account on the development of SPF brooders for aquaculture.
  - 3)** What is use of aeration? Give an account on different types of aerations.
  - 4)** Write an essay on ANOVA.
  - 5)** Give an account on standard deviation and standard error.
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