

D.K.M.COLLEGE FOR WOMEN ((AUTONOMOUS),VELLORE-1.
AQUACULTURE AND FARM MANAGEMENT (16CPZO1D)

UNIT-I

SECTION-A

6 Marks

1. Discuss about the site selection of aquaculture farms.
2. How will you prepare a design and layout for an aquaculture farm?
3. Explain the status of aquaculture production at global level.
4. Give a brief account on importance of aquaculture.
5. Explain about the soil condition and quality of aquaculture farms.

SECTION-B

15 Marks

1. Discuss the structure and construction of aquaculture farms.
2. Discuss on the water availability and supply in aquaculture farms.
3. Write about the status of aquaculture production in India.

UNIT-II

SECTION-A

6 Marks

1. Explain about the standard guidance for choosing cultivable species.
2. Write a note on the environmental adaptability and compatibility in cultivable species.
3. Discuss about the oyster culture.
4. Write about the guidance for mussel cultivation.
5. Explain the economic importance and market values of cultivable species.

SECTION-B

15 Marks

1. Discuss about the crustacean culture.
2. Describe about the guidance for seaweed cultivation.
3. Give a detailed account on the molluscs culture.

UNIT-III

SECTION-A

6 Marks

1. Describe about the distribution and abundance of natural seed resources.
2. Explain about the artificial seed production by breeding under controlled Conditions.

3. Give a detailed account on the techniques involved in feed formulation.
4. Discuss about the collection methods and segregation of natural seeds.
5. Give an account on Hypophysation.

SECTION-B 15 Marks

6. Write the techniques of induced breeding and its advantages.
7. Give an account of the nutritional requirements of the fishes.
8. Discuss about the transport of fish seeds.
9. Give an account on the Ovaprim.
10. Discuss about the culture of live feed organisms.

UNIT-IV SECTION-A 6 Marks

1. Write about the composite fish culture.
2. Write a note on the traditional culture system in aquaculture.
3. Discuss about the extensive culture systems.
4. Write a note on intensive and semi-intensive culture systems.

SECTION-B 15 Marks

1. Give a detailed account on the management of culture systems.

UNIT-V SECTION-A 6 Marks

1. How ELISA and western blotting techniques are used to diagnose the diseases? Explain.
2. Discuss about the control of parasites and diseases in fish culture ponds.
3. Write in detail about the nutrients and trace elements required in fish farm management.
4. Discuss on the water quality management in culture systems.
5. Explain the fish vaccines.

SECTION-B 15 Marks

1. Discuss about the DNA based disease diagnosis in fish farm management.