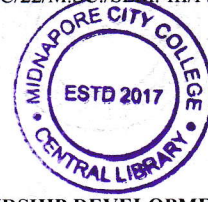# PG (CBCS)
M.SC. Semester- III Examination, 2023
FISHERIES SCIENCE
PAPER: FSC 304
(AQUACULTURE TECHNOLOGY AND FISHERIES ENTREPRENEURSHIP DEVELOPMENT)

Full Marks: 40   **Time: 2 Hours**

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Write the answer for each unit in separate sheet

UNIT: C-FSC 304.1

AQUACULTURE TECHNOLOGY

GROUP-A

1. Answer any **TWO** of the following questions: 2×2=4

    a) What is isinglass?

    b) What do you mean by active and passive fishing gear?   1+1

    c) Write the names of two important indigenous fishing crafts used in Andhra Coast. 1+1

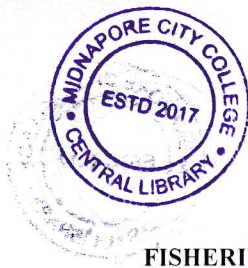   d) Write the potential applications of transgenesis in aquaculture.

GROUP-B

2. Answer any **TWO** of the following questions: 2×4=8

    a) What are the principles behind the fish drying process? What are the disadvantages of the process?   2+2

    b) Describe the natural breeding of any fish.

    c) What do you mean by fish meal and fish glue, state their uses.   2+2

    d) Write a short note on FAD.

GROUP-C

3. Answer any **ONE** of the following questions: 1×8=8

    a) Why induced breeding is important for aquaculture? Explain how environmental factors influence the success of induced breeding. Define hybridization in the context of fish farming.   3+3+2

    b) What is fish oil? How fish oil is prepared from fish liver? State the uses of fish oil.   2+3+3

UNIT: C-FSC 304.2

FISHERIES ENTREPRENEURSHIP DEVELOPMENT

GROUP-A

4. Answer any **TWO** of the following questions: 2×2=4

   a) What do you mean by Fisheries extension?
   b) Define FISHCOPPED.
   c) What are the objectives of fisheries cooperative society?
   d) State the concept of informal education.

GROUP-B

5. Answer any **TWO** of the following questions: 2×4=8

   a) Explain Vicious Circle Poverty (VCP) Model with a flow chart.
   b) Briefly describe the functions of the extension teaching method.
   c) Discuss the limitations of a cooperative society.
   d) State the importance of entrepreneurship and mention the criteria of a good
       entrepreneur.   2+2

GROUP-C

6. Answer any **ONE** of the following questions: 1×8=8

   a) Describe the role of the Government in the fisheries sector. Add a note on code of
       conduct in responsible fisheries.   4+4
   b) Briefly discuss the different fishery related laws in India. Write a note on scope of
       employment in fisheries sector in India.   4+4

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