

2019

Major 3rd Semester Examination
INDUSTRIAL FISH AND FISHERIES

Paper - C 6-T

(Fish Breeding & Hatchery Management)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Answer all questions.

1. Answer *any five* questions : 5×2=10
- (a) What do you mean by multiple breeding ? 2
 - (b) Mention the name of four artificial inducing agent of fish available in market. 2
 - (c) Classify the different types of fish egg. 2
 - (d) What is parental care of fish ? 2
 - (e) Mention different causes for declining of fish seed in nature. 2

[Turn Over]

- (f) State about spawning behaviour of IMC. 2
- (g) Mention different factors affecting the maturation of spawning. 2
- (h) Why induced breeding is important over natural breeding ? 2

2. Answer *any four* questions : $4 \times 5 = 20$

- (a) Discuss about Cryopreservation of fish gamete. 5
- (b) State about seed packaging and transportation. 5
- (c) Give an idea about Bundh breeding. 5
- (d) Write a note on water quality management in a hatchery. 5
- (e) State about brood fish management. 5
- (f) Write about spawn collection from river. 5

3. Answer *any one* question : $1 \times 10 = 10$

- (a) (i) Mention important criteria for selection of brood fish.

(ii) Discuss about hypophysation technique.

(iii) Add a note on artificial breeding of prawn.

$2\frac{1}{2}+5+2\frac{1}{2}$

(b) (i) Enlist different types of fish hatchery.

(ii) Mention the criteria for site selection of construction of fish hatchery.

(iii) Discuss about the mechanism of Chinese hatchery technique.

$2\frac{1}{2}+2\frac{1}{2}+5$
