

Roll No.

(04/17-I)

5267

B. Sc. EXAMINATION

(Sixth Semester)

ZOOLOGY

Paper II

Aquaculture and Pest Management-II

Time : Three Hours

Maximum Marks : 40

Note : Attempt *Five* questions in all. Q. No. **1** is compulsory. Attempt *two* questions from Section A and B. All questions carry equal marks.

1. (i) What do you mean by 'Fish Seed' ?
- (ii) What is a parasitoid ?
- (iii) Define stenophagic fishes.

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- (iv) Write scientific name of Rose Ringed Parakeet.
- (v) What are transgenic fishes ?
- (vi) Mention two fumigants.
- (vii) What is a grub ?
- (viii) Enlist some by-products of fish farming.
- (ix) Define happa.
- (x) What are pheromones ?

Section A

- 2. (a) Explain the selection of spawn collection site and method of spawn collection. 3
- (b) Describe induced breeding by hypophysation. 4½
- 3. (a) Write a note on natural food of fishes. 3
- (b) Describe various steps in the management of fishery. 4½

4. Write notes on the following : $2\frac{1}{2}, 2\frac{1}{2}, 2\frac{1}{2}$
- (a) Cage culture
 - (b) Polyculture
 - (c) Running water culture.
5. Describe *two* applications of biotechnology in fisheries and their significance. $7\frac{1}{2}$

Section B

6. Write systematic position, habits and nature of damage caused by Rice weevil and *Rhizopertha dominica*. $7\frac{1}{2}$
7. (a) Write a note on acute poisons used for rodent pests. $2\frac{1}{2}$
- (b) Explain life cycle of *Trogoderma granarium*. 5
8. (a) How does tillage of soil and crop rotation help in control of pest population ? $2\frac{1}{2}$
- (b) Give an account of biological control of insect pests. 5

9. (a) Explain precautions for the use of pesticides. 2½
- (b) Classify insecticides on the basis of : 5
- (i) Mode of entry
 - (ii) Mode of action.