

**GSQ/M-21****1761****AQUACULTURE AND PEST MANAGEMENT-II****Paper-II**

Time Allowed : 3 Hours]

[Maximum Marks : 40

**Note** : Attempt **five** questions in all, selecting **two** questions from each Unit.  
Question No. **1** is compulsory.

**Compulsory Question**

1. (i) Define the Composite culture.
- (ii) What do you mean by maximum Standing crop?
- (iii) What is Cryopreservation?
- (iv) Differentiate between Totipotent and Pluripotent cells.
- (v) What are Fry and Fingerlings?
- (vi) Write the systematic position of *Callosobruchus maculatus* and *Rhyzopertha dominica*.
- (vii) What are Pesticides?
- (viii) What do you mean by Integrated Pest Management (IPM)?
- (ix) What are Fumigants?
- (x) Name common predators of Rodents. 1½×10=15

**UNIT-I**

2. Discuss the methods of collection of Fish seed. 6¼
3. Write a note on Artificial food to Supplement natural Food of Fish under cultivation in Ponds. 6¼
4. Write a note on management of Rearing pond. 6¼
5. (a) List the technical problems in Cryopreservation of Fish spermatozoa. 3¼

(b) Differentiate between short-term and long-term Cryoprotectants. 3

## UNIT-II

6. Give an account on *Trogoderma granarium*. 6¼
7. Write a note on Biological control of Harmful insects. 6¼
8. Discuss about the Insect repellents and attractants. 6¼
9. Write an essay on Pestiferous birds and their management. 6¼