

Roll No.

(07/20-I)

5266

B. Sc. EXAMINATION

(Sixth Semester)

ZOOLOGY

First Paper

Aquaculture and Pest Management-I

Time : Three Hours

Maximum Marks : 40

Note : Q. No. 1 is compulsory. Attempt *Five* questions in all, selecting *two* questions from Section A and B each. Draw well labeled diagrams wherever necessary.

1. Answer the following questions or explain terms in **25-30** words each :

- (a) Indian EEZ
- (b) Culture Fisheries
- (c) Cold water exotic Fishes

- (d) Rivers of East Coast river system
- (e) Pond
- (f) Pests of Vegetables
- (g) Damage causing stage of Gundhi Bug
- (h) Name Pearl forming mollusks
- (i) Zoological name of Sugar cane top borer
- (j) Life span of Rice hispa. $1 \times 10 = 10$

Section A

- 2. Describe the culture of pearl fisheries. 7.5
- 3. (a) Describe the status of world culture fisheries. 4
- (b) Name the main species of fishes of riverine fisheries. 3.5
- 4. (a) Explain the culture of prawns in estuarine water. 4
- (b) What are gill nets ? 3.5

- 5. Write short notes on the following :

- (a) Electric fishing
- (b) Catamaran. $1.5 \times 5 = 7.5$

Section B

- 6. Explain the systematic position of the following :
 - (a) Red pumpkin beetle
 - (b) Rice stem borer
 - (c) Red cotton bug
 - (d) Sugar cane white fly
 - (e) Cotton Jassid. $1.5 \times 5 = 7.5$
- 7. Explain the nature of damage of the following :
 - (a) The pumpkin fruit fly
 - (b) Rice grass hopper
 - (c) Cotton gray weevil
 - (d) Sugar cane top borer
 - (e) Vegetable mite. $1.5 \times 5 = 7.5$

8. Describe the life-cycle and control of *Sesamia inferens*. 7.5

9. Write short notes on the damage and control of the following :

(a) *Aulaocophora faveicoilis* 4

(b) *Leptocorisa acuta*. 3.5