

Roll No.

(07/22-II)

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 any *two* questions from Section A and *two* from Section B.

1. (i) Define reservoir fishery.
- (ii) Name various stages in the life-cycle of a pest belonging to order Hemiptera.
- (iii) Which is the largest riverine system in India ?
- (iv) What is lead line in a fishing net ?

- (v) Name damage causing stage of Red Cotton Bug.
- (vi) Name four fishing gears.
- (vii) Name an arachnid that attacks cucurbits (vegetable) plants.
- (viii) Name major cold water lakes in Himalayan region.
- (ix) Give scientific name of sugarcane top borer.
- (x) What is brackish water ? $1 \times 10 = 10$

Section A

2. (a) Write a note on Brahmaputra riverine fisheries. $4\frac{1}{2}$
- (b) Enumerate the capture and culture fisheries in India. 3
3. What are built up boats ? Explain various types of built up boats. $7\frac{1}{2}$

4. Write notes on the following :
- (i) Coracle
 - (ii) Outrigger Canoe
 - (iii) Kakinada Nav. 2½, 2½, 2½
5. Give a detailed account of pearl culture. 7½

Section B

6. Describe systematic position, habits and life-cycle of *Pectinophora gossypiella*. 7½
7. Write damage caused and control of :
- (a) Sugarcane Whitefly
 - (b) Gurdaspur Borer. 4, 3½
8. Explain habits and life-cycle of Gundhi Bug. 7½
9. Write damage caused and control of :
- (a) *Dacus cucurbita*
 - (b) Hadda Beetle. 4, 3½