

5267

Sc. EXAMINATION

(For Batch 2011 & Onwards)

(Sixth Semester)

ZOOLOGY

Second Paper

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 each Section A and Section B.

1. Comment upon (not exceeding **20** words each) :

~~(a)~~ Hatchling

~~(b)~~ Utility of Rearing Pond

~~(c)~~ Gamcha

~~(d)~~ Monoculture

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~~(e)~~ Happa

~~(f)~~ Bail-shyness

~~(g)~~ Secondary Poison

(h) Quarantine

(i) Thigmotactic store grain pest

~~(j)~~ Pestiferous birds.

1×10=10

Section A

2. (a) Discuss the components and characteristics of an efficient artificial fish feed. 4½

(b) Explain the categories of fishes on the basis of their feeding niches, variety and availability of natural food. 3

~~3~~ Write notes on the following :

(a) Cage Culture 4½

~~(b)~~ Running Water Culture. 3

4. Discuss the technique of Cryopreservation of fish gametes and its potential in modern fisheries. 7½

5. Comment upon :

- (a) Fish Hatchery by Bundh breeding. 3
- (b) Climatic and ecological factors affecting induced breeding in fish farming. 4½

Section B

6. Comment upon :

- (a) Zoological name and systematic position of Lesser Grainborer 3½
- (b) Larva of *Trogoderma granarium* 2
- (c) Damage caused by *Tribolium castaneum*. 2

7. Write notes on the control of insect pests as under :

- (a) Synthetic Organic insecticides 3½
 - (b) Natural enemies 2
 - (c) Mechanical measures. 2
8. (a) Describe the nature of damage causes by Pestiferous birds. 4½
- (b) Name six species of Rodent Pests. 3

9. Comment upon :

- (a) Use of Pheromones and Harmones in Insect Pest Management. 4½
- (b) Problems and significance of biological control. 3