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**6 SEM TDC ZOO M 6**

**2 0 1 4**

( May )

**ZOOLOGY**

( Major )

Course : 606

**( Economic Zoology )**

Full Marks : 48

Pass Marks : 19

Time : 2 hours

*The figures in the margin indicate full marks  
for the questions*

1. (a) Select the correct answer and rewrite the sentences : 1×3=3
- (i) The disease 'silkworm septicemia' is a viral / bacterial / protozoan disease.
- (ii) *Helopeltis alonii* is a hemipteran pest species of paddy / tea / oilseed crops.
- (iii) The fat of pig squeezed from its body tissue is called lard / hem / sausage.

(b) Fill in the blanks of the following :  $1 \times 2 = 2$

(i) No competition among different fish species is found in — pisciculture.

(ii) The cod-liver oil contains higher percentage of oil and low percentage of —.

2. Answer very briefly the following questions :

(a) Mention three successful measures of biological control of insect pests.  $1+1+1=3$

(b) Write about three types of polyhedrosis symptoms in silkworm. 3

(c) What is a fish fertilizer? Mention two categories of fish fertilizer obtained as by-products of fishing industry.  $1+1+1=3$

3. What is meant by sericulture? Write an account of rearing and culture technique of Muga worm.  $1+8=9$

Or

What is IPM? Write what you known about chemical and cultural pest control measures.

$1+4+4=9$

( 3 )

4. Write an account of selection of best layer of chicken with precautionary measures of hatching and rearing in poultry.  $2+3+4=9$
5. Write an account of biology and culture of lac insect.  $5+5=10$

Or

What is induced breeding? Describe the process of induced breeding and hybridization techniques in fishes.  $1+4+5=10$

6. Write short notes on any *two* of the following :  $3 \times 2 = 6$
- (a) Proper precautions of bee-keeping
  - (b) Modern method of piggary practice
  - (c) Bacterial disease of silkworm
  - (d) Hatching pits in pisciculture

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