

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL/MAY 2013

(CCSS)

Zoology

ZO2 C03—ECONOMIC ZOOLOGY

Maximum : 30 Weightage

Time : Three Hours

Answers may be written **either** in English **or** in Malayalam.
Give illustrations wherever necessary.

Part A

A. Objective Type Questions

1 Muscardine disease is caused by

(a) Fungus.

(c) Bacteria.

(b) Protozoa.

(d) Virus.

2 Eri silk is produced by

(a) Attacus ricini

(c) Bombyx mori.

(b) Antheraea assama.

(d) Antheraea paphia.

3 Cod liver oil is rich in

(a) Vitamin K.

(c) Vitamin C.

(b) Vitamin B.

(d) Vitamin D.

4 Among the following _____ is called the "little bee".

(a) Apis indica.

(c) Apis florea.

(b) Apis dorsata.

(d) Apis mellifera.

B. Name the following :-

5 Mode of transmission of malarial parasite.

6 Disease transmitted by rat flea.

7 Intermediate host of Wucheraria bancrofti.

8 Common name of Parapenaeopsis styliifera.

C. Fill up the blanks

9 In Bombyx mori the _____ is modified as silk glands.

10 Scientific name of "rock bee" is _____.

11 Rhabdiform larva is, the larvae of _____.

12 In Entamoeba histolytica, the mode of transmission is called _____.

(12 $\frac{1}{4}$ = 3 weightage)**Turn over**

IL Short Answer Type Questions. Answer *all* nine questions :

- 1:3 Mention the significance of sericulture.
- 1:4 What is "Waggle dance" ? Mention its significance.
- 15 Define hyperinfection with a suitable example,
- 16 With the help of an example explain the term "parasitoid".
- 17 What is an obligatory parasite ? Give an example.
- 18 Mention the mode of transmission of *Enterobius vermicularis*.
- 19 Write down the damage caused by *Heleopeltis* sp.
- 20 Mention the economic importance of lac insect.
- 21 Explain the term "hyperparasite". Give an example.

• III. Short Answer Questions. Answer any *we* questions

(9 x 1 = 9 weightage)

- 22 Pathogenecity of *Xenopsylla*.
- 23 Fish Protein concentrate.
- 24 Control methods of Kala azar.
- 25 Induced spawning in fish culture.
- 26 Bee pasturage.
- 27 Intensive prawn farming.
- 28 Ornamental fish farming.

IV. Essay Questions. Answer any *two* questions

= 10 weightage)

- 29 Grafting method of pearl culture.
- 30 Life-cycle of *Taenia solium*.
- 31 Nature of damage to the host plant and control of pests in rice.

8 weightage)