

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2012

(CCSS)

Zoology—Complementary Course

ZO 2C 03—ECONOMIC ZOOLOGY

Time : Three Hours

Maximum : 30 Weightage

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

A. Objective Type Questions

1 The causative agent of Pebrine disease is a _____

- (a) Fungus. (b) Protozoa.
(c) Bacteria. (d) Virus.

2 In *Taenia solium*, the egg hatches into _____

- (a) Cercaria. (b) Miracidium.
(c) Radia. (d) Onchosphere.

3 Which among the following produces Muga silk ?

- (a) *Attacus ricini*. (b) *Antheraea assama*.
(c) *Bombyx mori*. (d) *Antheraea paphia*.

4 Cod liver oil is a rich source of :

- (a) Vitamin K. (b) Vitamin B.
(c) Vitamin C. (d) Vitamin D.

B. Name the following :-

5 Vector of *Pasteurella pestis*.6 Method of induced breeding in *Macrobrachium*.7 Common name of *Metapenaeus monoceros*.

8 High grade collagen obtained from swim bladder of fishes.

C. Fill up the blanks :

9 Pearl oyster is a _____ feeder.

10 In prawns, the transfer of sperms to female is aided by _____

11 Scientific name of "Karikadi" is _____

12 In *Bombyx mori* the salivary gland is modified as _____

(12 = 3 weightage)

Turn over

II. Short Answer Questions. Answer all *nine* questions :

- 13 What is "swimmers itch" ?
- 14 Define hyper infection with a suitable example.
- 15 Mention the significance of reserve hosts.
- 16 With the help of an example the term "parasitoid".
- 17 Comment on mode of transmission of *Enterobius vermicularis*.
- 18 Write down the damage caused by *Leptocorisa* sp.
- 19 What is an obligating parasite ? Give an example.
- 20 Mention the economic importance of *Laccifer* sp.
- 21 Explain the importance of round dance.

(9 X 1 = 9 weightage)

III. Short Answer Questions. Answer any *five* questions

- 22 Raft culture.
- 23 Ornamental fish farming.
- 24 Fish meal.
- 25 Integrated pest management.
- 26 Extensive prawn farming.
- 27 Adaptations of worker bee.
- 28 Damage caused by tea bug and its control.

(5 x 2 = 10 weightage)

IV. Essay Questions. Answer any two questions

- 29 Life-cycle of *Schistosoma haematobium*.
- 30 Nature of damage to the host plant and control of pests in coconut.
- 31 Grafting method of pearl culture.

(2 x 4 = 8 weightage)