

SECOND SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, MAY 2019

B.Sc. Zoology—Complementary

ZOL 2C 02—ECONOMIC ZOOLOGY

Time : Three Hours

Maximum : 64 Marks

(A) Answer *all* questions. Each question carries 1 mark :

- 1 What is an obligatory parasite ?
- 2 Give the scientific name of the filarial parasite of man.
- 3 What is a carrier host ?
- 4 What is hyperinfection ?
- 5 How is infestation with round worm detected ?
- 6 Name one PCB.
- 7 What is pebrine ?
- 8 The vector of kala azar is _____
- 9 What are the major vitamins present in fish oil ?
- 10 The intermediate host of *Schistosoma* is

(10 x 1 = 10 marks)

(B) Answer any *seven* questions in two *or* three sentences each. Each question carries 2 marks :

- 11 What are the precautions to be taken while sneezing or coughing ?
- 12 What are the symptoms of malaria ?
- 13 What are the economic impacts of infestation with (a) *Cosmopolites* (b) *Rhyncophorus*.
- 14 Give the names of any *two* insects used for bio-control.
- 15 How is the graft tissue in pearl culture prepared ?
- 16 What are the advantages of mussel farming ?
- 17 What is *Cimex* ? Do they transmit diseases ?
- 18 How is filariasis diagnosed ?

Turn over

19 How does induced sterility control pests ?

20 How is lac obtained ?

(7 x 2 = 14 marks)

(C) Answer any *four* questions in not more than a *paragraph* each. Each question carries 5 marks :

21 What are the different modes of infection ?

22 How is biocontrol carried out ?

23 How will you prevent the proliferation of mosquitoes ?

24 Write a brief note on dengue fever.

25 How do Spodoptera species and *Rhynchophorus* species cause loss to farmers ?

26 Write a short note on the scope of apiculture in Kerala.

(4 x 5 = 20 marks)

(D) Write essays on any *two* of the following. Each question carries 10 marks :

27 Highlight the advantages of aquaculture.

28 Trace the life cycle of *Entamoeba histolytica*. What disease does it cause ?

29 Highlight the importance of the honey bee.

30 Describe how mussels are cultured.

(2 x 10 = 20 marks)