

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Second Semester B.Sc Zoology Degree Examination, April 2024

BZL2B02- Animal Diversity Nonchordata II

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION A

I. Answer the following questions. Each question carries two marks.

1. Explain the structure of trochophore larva.
2. What is osphradium? Mention its function.
3. Write an account on *Eupagurus*.
4. What is a connecting link? Give an example.
5. Discuss the salient features of Phylum Echiura.
6. Comment on the parasitic adaptations of *Sacculina*.
7. Write down the common names of a) *Troides minos* b) *Papilio buddha*
8. To which class and subclass, ticks and mites belong?
9. Comment on heteronereis.
10. Explain the peculiarities of *Bonellia*.
11. Discuss the affinities of *Balanoglossus*.
12. What is evisceration?

(Ceiling: 20)

SECTION B

II. Answer the following questions in a paragraph. Each question carries five marks.

13. Explain the respiratory organs of *Penaeus indicus*.
14. Write a note on the salient features of class Clitellata.
15. Explain the salient features of class Merostomata with a suitable example.
16. Describe the structure of parapodium of *Neanthes*.
17. Write an account on the affinities of *Peripatus*.
18. Explain the salient features of Cephalopoda with a suitable example.
19. Describe the water vascular system of *Asterias*.

(Ceiling: 30)

SECTION C

III. Essay questions. Answer any one question.

20. Write an essay on the appendages of *Penaeus indicus*.
21. Describe the classification of Phylum Mollusca down to classes with notes on the salient features of each class.

(1x10 = 10 marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Second Semester B.Sc Botany Degree Examination, April 2024

BZL2C02 - Economic Zoology

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

Section A

I. Short answer questions. Each question carries 2 marks.

1. Name the scientific name of human head louse ?
2. What is intermediate host ?
3. Differentiate between infection and infestation ?
4. What is the causative agent of malaria ?
5. What is a key pest ?
6. Name the scientific name of rice bug ?
7. Briefly describe the damage caused and control measures of *Heopeltis antonii* ?
8. Comment on parthenogenesis in honey bees
9. What is the scientific name of lac insect ? Mention any two uses of lac.
10. What is mariculture ?
11. What is induced breeding ?
12. Mention any two ornamental fish species

(Ceiling: 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks

13. Describe morphology, life cycle and pathogenicity of *Entamoeba histolytica*
14. Describe various methods of control of insect vectors
15. Briefly describe life cycle, transmission, pathogenicity and prophylaxis of *Taenia solium*
16. Explain damage caused and control measures of a pest of stored grains you have studied.
17. What is biological control of pests ? Explain advantages and disadvantages of biological control
18. Explain major steps in aquarium management
19. Explain composite fish culture. Mention its advantages.

(Ceiling: 30 marks)

Section C

III. Essay questions. Answer any one question.

20. Write an essay on various Insect control measures.
21. Write an essay on prawn culture.

(1 x 10 = 10 Marks)