

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester B.Sc Degree Examination, April 2023

BZL2B02 – Animal Diversity – Norchordata II

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION A

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

1. What is the evolutionary significance of *Limulus*?
2. What is a connecting link? Give example.
3. Distinguish between atoke and epitoke.
4. Name the phylum to which the organism belongs (a) *Phoronis* and (b) *Bugula*.
5. Comment on the association in *Eupagurus*.
6. Give the common name of (a) *Hirudinaria* and (b) *Arenicola*.
7. What are the affinities of *Balanoglossus*?
8. Write the scientific names of (a) Malabar banded peacock and (b) Southern Birdwing.
9. What are cloacal respiratory trees?
10. Mention the significance of Trochophore larva.
11. What is parasitic castration?
12. What is osphradium?

(Ceiling 20)

SECTION B

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

13. Give an account of Class Holothuroidea with example.
14. Discuss the peculiarities and affinities of *Peripatus*.
15. Describe the structure and function of radula with the help of diagram.
16. Enumerate the salient features of Phylum Arthropoda.
17. Classify the Phylum Echinodermata down to classes with example for each class.
18. Discuss the salient features of *Bonellia*.
19. Describe the excretory system of *Penaeus*.

(Ceiling 30)

SECTION C

III. Essay Question. Answer any *one* question.

20. Discuss the classification of Phylum Annelida down to classes with notes on the salient features of the classes you have studied.
21. Describe the nervous system of *Pila globosa* with the help of diagram. Add notes on sense organs.

(1 × 10 = 10 Marks)

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(Pages : 2)

Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester B.Sc Botany Degree Examination, April 2023

BZL2C02 – Economic Zoology

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION A

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

1. What are predatory insects?
2. What are the different types of prawn farms?
3. Describe the pathogenicity caused by *Taenia solium*.
4. Comment on eyestalk ablation?
5. Comment on parthenogenesis in honey bees
6. Comment on *Entamoeba histolytica*
7. What are insect parasitoids?
8. Discuss the damages caused and control measures of coconut mites.
9. What are zoonotic diseases?
10. Distinguish between hyperinfection and autoinfection,
11. Discuss the damages caused and control measures of *Aceria* sp
12. Discuss the popular species of ornamental fishes that are commonly bred and cultivated for the aquarium trade.

(Ceiling: 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks

13. Classify the Parasites, Give examples
14. Discuss the significant mosquito-borne diseases, including their epidemiology, symptoms, and impact on public health.
15. Explain the methods of hatching and induced spawning in Pisciculture
16. Write notes on the damage caused by *Leptocorisa* sp. mention the control measures

17. Describe the causes of pest outbreak.
18. Explain the preparation of host and graft tissue in pearl culture.
19. Comment on the pathogenicity of *Wuchereria bancrofti*.

(Ceiling: 30 marks)

Section C

III Essay questions. Answer any one question.

20. Write an essay on mussel farming.
21. Discuss various Insect control measures. Evaluate the effectiveness and challenges of implementing IPM programs.

(1x10 = 10 marks)