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(Pages : 2)

Reg. No:.....

Name:

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Second Semester B.Sc Zoology Degree Examination, March 2017
ZO2B02T – Animal Diversity Nonchordata II
(2016 Admission onwards)

Time: 3 hours

Max. Marks : 80

Short answer questions (Answer all the questions)

1. Name the respiratory organ of starfish
2. What is the function of nuchal organ present in neries
3. Petasma is present in which organism?
4. Name the larval form of starfish
5. Give the scientific name of neries
6. Which is the smallest appendage in prawn
7. Name the class in which Antedon belongs
8. Name the asexual region of heteroneries
9. Name the class of ticks and mites
10. Name an organism showing commensalism

(10 x 1=10 Marks)

Paragraph questions (Answer any ten questions)

1. Comment on statocyst
2. What are the economic importance of Perna
3. Write notes on features of leech
4. Write short notes on regeneration in starfish
5. Write short note on tube feet
6. Describe the features of the minor phylum Phoronida
7. Comment on features of Arenicola
8. Give an account on Nephredia
9. What is Parasitic castration
10. What are the salient features of Hemichordata
11. Briefly explain the structure of Clitellum
12. Comment on the phylum Onicophora

(10 x 2= 20 Marks)

III. Short answer questions (Answer any five questions)

23. Describe the structure and function of Parapodia
24. Give an account on respiratory structures of prawn
25. Comment on Circulatory system of Pila
26. Briefly explain the features of Sacculina
27. Explain the larval stages of Penaeus
28. Briefly explain the salient features of the phylum Hemichordata
29. Explain the nervous system of Neries
30. Classify the Phylum Mollusca up to classes (5 x 6= 30 Marks)

IV. Essay Questions (Answer any two questions)

31. Write an essay on nervous system of prawn
32. Describe the different classes of the phylum Mollusca
33. Write an essay on mode of feeding and Digestive system of Neries
34. Describe water vascular system of star fish (2 x 10= 20 Marks)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Second Semester B.Sc Botany Degree Examination, March 2017
ZO2C02 – Economic Zoology
(2016 Admission onwards)

Time: 3 hours

Max. Marks : 64

(Give illustrations and figures where ever necessary)

One word questions (Each question carries 1 mark). Answer all questions.

- Vitamin present in shark liver oil.
- Scientific name of Mango stem borer.
- Parasite which inhabits other parasites.
- The dried shark skin used for polishing.
- The only fertile female in a honey bee colony.
- The intermediate host of *Taenia solium*.
- The traditional brackish water prawn farming.
- The vector of *Plasmodium* sp. Which spreads malaria.
- The silk produced by *Antheraea* sp.
- Scientific name of pin worm.

(10x1=10 Marks)

Short answer questions (Answer any 7. Each question carries 2 marks)

- What is meant by induced breeding?
- Mention economic importance of silk insect.
- Differentiate between primary host and secondary host.
- What are nursery ponds?
- Give a note on the damage caused by *Rhynchophorus ferrugineus*.
- What are the parasitic adaptations of *Fasciola*?
- What are the damages caused by *Leptocorisa acuta*? Mention its control measures.
- Briefly explain the different types of prawn culture.
- What is an intermediate host? Give an example.
- Define sporadic pest. Give two examples.

(7x2=14 Marks)

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III. Paragraph questions (Answer any 4, each question carries 5 marks)

21. Explain the life cycle of *Entamoeba histolytica*.
22. Write an account of integrated pest management.
23. Give an account of fish byproducts.
24. Give an account of life cycle and pathogenic effects of *Schistosoma haematobium*.
25. Explain the steps involved in silk production.
26. Explain the steps involved in preparation for nucleus insertion.

(4x5=20 M)

IV. Essay questions (Answer any 2, Each questions carries 10 marks)

27. Write an essay on life cycle and pathogenic effects of *Taenia solium*.
28. Nature of damage to the host plant and control measures of pests of coconut .
29. Pearl culture.

30. Describe the morphology and life cycle of *Wuchereria bancrofti*.

(2x10=20 M)