



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No.:

Name:

First Semester B.Sc. Degree Examination, November 2015

First Degree Programme under CBCSS

Core Course: Zoology – I

AUZO141: Animal Diversity I

(for 2015 Admissions Only)

Time: 3 Hours

Max. Marks: 80

Instruction: Draw diagrams wherever necessary.

SECTION – A

Answer ALL questions in one or two sentences.

1. Name a mollusc with internal shell.
2. Which organism is the vector of *Trypanosoma* ?
3. Name a trigenetic parasite.
4. What are green glands ?
5. Which organism causes red tide ?
6. Write the scientific name of common pin worm.
7. Which organism is called tusk shell ?
8. What are choanocytes ?
9. What is Bee pasturage ?
10. Name the kingdom and phylum to which Paramecium belong.

(10 × 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, not exceeding a paragraph.

11. Briefly explain law of priority.
12. What is meant by parasitic castration ? Give example.
13. Differentiate systematics from classification.

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14. Comment on the evolutionary significance of Limulus.
15. What is heteroneries ?
16. Sketch the scolex of tapeworm and label.
17. What are mesozoans ?
18. Distinguish between Protostomia and Deuterostomia.
19. Write a short note on amoebiasis.
20. Comment on the different types of mountages used in sericulture.
21. Write a note on Actinophrys.
22. What is sleeping sickness ?

(8 × 2 = 16 Marks)

SECTION – C

Short essay type : Answer any SIX questions.

23. With suitable diagram, explain the ommatidium of Penaeus.
24. Explain the parasitic adaptations of Hirudinaria
25. Explain the life cycle of Wuchereria.
26. Write an account on Balanoglossus
27. Write briefly on Five Kingdom classification.
28. Classify phylum Echinodermata upto classes, giving one example each and mention larval forms of each class.
29. Describe Social organization in termites.
30. Briefly explain the affinities of Peripatus.
31. What are the morphological adaptations of worker bees ?

(6 × 4 = 24 Marks)

SECTION – D

Long essay type : Answer any TWO questions.

32. Explain the life cycle of *Plasmodium vivax*. Mention the pathogenecity and prophylaxis.
33. Write an essay economic importance of molluscs. Explain pearl culture.
34. Write an essay on laval forms of Crustacea and mention their importance.
35. Give an account on Polymorphism in Coelenterates.

(2 × 15 = 30 Marks)

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