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MAR IVANIOS COLLEGE (AUTONOMOUS) THIRUVANANTHAPURAM

Reg. No.:	Name:
First Semester B.Sc.	Degree Examination, November 2015
First Degre	e Programme under CBCSS
Complementary	Course: Zoology – I (for Botany)
AUZO1	31.2a: 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 the larva of Ascaris.
- 2. What is ospharadium?
- 3. Write the common name of Euplectella.
- 4. What are choanocytes?
- 5. What is red tide?
- 6. What are trichocysts?
- 7. Name the phylum where members are exclusively marine?
- 8. What is ecdysis?
- 9. Name a rectal ciliate protist found in frog.
- 10. What is a biramous appendage?

 $(10 \times 1 = 10 \text{ Marks})$

SECTION - B

Answer any **EIGHT** questions, not exceeding a paragraph.

- 11. What are compound eyes?
- 12. What is contaminative transmission? Give an example.
- 13. Briefly explain the parasitic adaptations of tape worm.

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- 14. Write an account on Admasia.
- 15. What is metamerism?
- 16. Distinguish between eucoelomata and pseudocoelomata.
- 17. What is elephantiasis?
- 18. List any four species of silk worms used for sericulture.
- 19. What is apiary?
- 20. How can you distinguish an Anopheles mosquito from Culex mosquito?
- 21. Comment on pneumatophores.
- 22. Why is Physalia considered to be polymorphic?

 $(8 \times 2 = 16 \text{ Marks})$

SECTION - C

Short essay type: Answer any SIX questions.

- 23. What are corals? Briefly explain different types of coral reefs.
- 24. What are mesozoans? Explain the affinities of mesozoans.
- 25. Classify phylum Porifera upto classes, giving salient features and one example each.
- 26. Write an essay on the process of vermicomposting.
- 27. Give a brief account on social organization in honey bees.
- 28. Explain metagenesis in Obelia.
- 29. Briefly explain pearl culture.
- 30. Describe different larval stages in phylum mollusca.
- 31. Comment on Limulus. Mention its evolutionary significance.

 $(6 \times 4 = 24 \text{ Marks})$

SECTION - D

Long essay type: Answer any TWO questions.

- 32. With suitable diagram describe the water vascular system in Echinoderms.
- 33. Explain the life history and pathogenicity of *Fasciola*.
- 34. With the help of labeled diagrams, describe the appendages of a *Penaeus*.
- 35. Write an essay on insect pests of paddy and coconut. Describe the nature of damage caused by each and their control measures.

 $(2 \times 15 = 30 \text{ Marks})$