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# MAR IVANIOS COLLEGE (AUTONOMOUS) THIRUVANANTHAPURAM

Reg. No. :	Name :
Third Semester Career Related B	3.Sc. Degree Examination, November 2015
e	ogramme under CBCSS hnology (for Botany and Biotechnology)
AUBB351: Proti	sta and Animal Diversity
Time: 3 Hours	Max. Marks: 80
SE	CTION – A
Answer <b>ALL</b> the following	g in a word or one or two sentences.
1. Metamerism	

- 1. 1/10/00/11/01/1
- 2. Radula
- 3. Monogenetic parasite
- 4. Evisceration
- 5. Name the Phylum and Class of Ascaris
- 6. Pseudocoelomates
- 7. Name one egg laying mammal
- 8. Gemmule
- 9. "Aristotle's Lantern"
- 10. Hemichordata

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

## SECTION - B

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

- 11. Explain Petasma.
- 12. Comment on Neopilina.
- 13. Differentiate Protostomia and Deutereostomia.
- 14. Write a short note on Limulus.

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- 15. Classify sub phylum vertebrata.
- 16. Mention four diagnostic feature of Agnatha.
- 17. Differentiate between definitive host and intermediate host.
- 18. Differentiate between Schizocoelous and Enterocoelous organisms.
- 19. Comment on Heteronereis.
- 20. Write a short note on Elephantiasis.
- 21. Write a note on synsacrum.
- 22. What are catadromous and anadromous fishes?

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

#### SECTION - C

Short essay type: Answer any SIX questions.

- 23. Briefly explain the affinities of Peripatus.
- 24. Comment on any two pest of paddy. Add short note the control measures.
- 25. Classify phylum Echinodermata up to classes giving examples.
- 26. Explain alternation of generation with Obelia colony as example.
- 27. Write a short essay on the parasitic adaptations of Teania solium.
- 28. What are coral reefs? Explain the different types with examples.
- 29. Comment on Hirudinaria.
- 30. Write a short note on five Kingdom classification.
- 31. Draw a neat labelled diagram of the mouth parts of Cockroach.

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

### SECTION - D

Long essay type: Answer any TWO questions.

- 32. With the help of a neat diagram, explain the method of identification of poisonous and non poisonous snakes of Kerala.
- 33. Explain the life cycle of Plasmodium vivax.
- 34. Write an essay on the flight adaptations of birds.
- 35. Write an essay on adaptations of aquatic mammals, with examples.

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