



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

First Semester B.Sc. Degree Examination, November 2014

First Degree Programme under CBCSS

Core Course: Zoology – I

AUZO141: Animal Diversity

Time: 3 Hours

Max. Marks: 80

Instruction: Draw diagrams wherever necessary.

SECTION – A

Answer ALL questions in one or two sentences.

1. Name two insect pests of paddy.
2. Name four species of *Plasmodium* causing Malaria.
3. What is a biramous appendage ?
4. Name (a) Binucleate protozoan. (b) Multinucleate protozoan.
5. What is an atoll ?
6. Assign the following animals to their respective phyla.
a) *Rhizostoma* b) *Taenia solium* c) *Sacculina* d) *Peripatus*
7. What is meant by parasitic castration ?
8. What is cuttle bone ? Mention its economic importance.
9. Mention any four important features of *Aphrodite*.
10. What is petasma ? Mention its function.

(10 x 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, not exceeding a paragraph.

11. What is trichocyst ? Mention its function.
12. How does *Hirudinaria* adapted to their peculiar mode of life ?

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13. Distinguish between male and female *Ascaris*.
14. Mention the adaptations of *Teredo*.
15. What is Aristotle's Lantern ? Write its function.
16. What is commensalism ? Give an example.
17. Distinguish Aurelia and Metredium with reference to habit and habitat.
18. Distinguish between bilateral symmetry and radial symmetry.
19. Write short note on Radula.
20. Explain Cycle of Ross.
21. Mention any four parasitic adaptations of *Taenia solium*.
22. What is extra intestinal migration ?

(8 x 2 = 16 Marks)

SECTION – C

Short essay type : Answer any SIX questions.

23. Comment on merits and demerits of Whittaker's five kingdom classification.
24. Give an account on kinds of coral reefs and their economic importance.
25. Describe Pearl culture and its formation.
26. Eneumarate parasitic adaptations of nematode worms.
27. Describe the structure and function of flame cells.
28. Give an account on economic importance of Honey bees.
29. Discuss geographical distribution and affinities of *Peripatus*.
30. What are the general characters of Phylum Porifera ?
31. Explain polymorphism with special reference to *Physalia*.

(6 x 4 = 24 Marks)

SECTION – D

Long essay type : Answer any TWO questions.

32. Write an account on human diseases caused by protozoans.
33. Describe the larval forms of crustacean.
34. Write an essay on vermiculture.
35. With suitable diagrams describe the appendages of prawn.

(2 x 15 = 30 Marks)

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