



**MAR IVANIOS COLLEGE (AUTONOMOUS)**  
**THIRUVANANTHAPURAM**

Reg. No. :.....

Name :.....

**Fourth Semester B.Sc. Degree Examination, June 2016**

**First Degree Programme under CBCSS**

**Complementary Course: Zoology – IV (for Botany)**

**AUZO431.2a: Applied Zoology**

Time: **3 Hours**

Max. Marks: **80**

**SECTION – A**

*Answer ALL questions in one or two sentences.*

1. Comment on Live stock management.
2. What is propolis ?
3. Define epiboly.
4. What is pedigree analysis ?
5. Name any two cloning vectors used in rDNA technology.
6. Define mariculture.
7. Comment on Edwards syndrome.
8. Write notes on Nosema disease.
9. What is apitherapy ?
10. Write any two limitations of dairy farming.

**(10 × 1 = 10 Marks)**

**SECTION – B**

*Answer any EIGHT questions, each in a short paragraph not exceeding 50 words.*

11. Differentiate between Eri silk and Muga silk.
12. Write an account on composite fish culture.
13. Briefly explain human genome project.
14. Comment on *Ectoparasitism*.

**1356**

15. What is the significance of 'Royal jelly' ?
16. Write notes on Chandraki.
17. What is amniocentesis ?
18. What are the adaptations of worker bees ?
19. Write notes on embryonic stem cell research.
20. What is bee pasturage ?
21. Define blastocyst.
22. Write an account on rearing of chicks.

**(8 × 2 = 16 Marks)**

### **SECTION – C**

*Answer any SIX questions, each in a paragraph not exceeding 120 words.*

23. Differentiate between raft culture and rack culture.
24. Briefly explain the management of ponds.
25. Give an account on social organization of honey bees.
26. What are the requirements for setting an aquarium ?
27. Write an account on single gene disorders in man.
28. Explain pearl culture method.
29. Write notes on communication among bees.
30. Explain different types of eggs based on the amount of yolk present.
31. Briefly explain organizers.

**(6 × 4 = 24 Marks)**

### **SECTION – D**

*Answer any TWO questions, not exceeding four pages.*

32. Write an essay on different exotic breeds used in poultry farming.
33. Give an account on management and maintenance of apiculture.
34. Explain various types of crafts and gears used in fisheries.
35. Write an essay on diseases and pests of silk worm.

**(2 × 15 = 30 Marks)**

∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*∫\*