



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

Reg. No.: .....

Name: .....

**Third Semester B.Sc. Degree Examination, November 2016**

**First Degree Programme under CBCSS**

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

**AUZO331.2a: Functional Zoology**

*(for 2014 Admissions – Improvement Only)*

Time: 3 Hours

Max. Marks: 80

**Instruction: Draw diagrams wherever necessary.**

**SECTION – A**

*Answer ALL questions in one or two sentences.*

1. Distinguish between autotrophy and heterotrophy.
2. What is malnutrition ?
3. Differentiate Hypo and Hypercapnia.
4. Comment on ECG.
5. What is uremia ?
6. Comment on hypersensitivity.
7. Name two thyroid disorders.
8. Comment on anticoagulants.
9. What is rigor mortis ?
10. Define Osmoregulation.

**(10 × 1 = 10 Marks)**

**SECTION – B**

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

11. Write short note on neurotransmitters.
12. Comment on respiratory pigments.
13. Distinguish between neurogenic and myogenic heart.

