

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/MC/EZ14

B.Sc. DEGREE EXAMINATION NOVEMBER 2016
BRANCH VI.A. ADVANCED ZOOLOGY & BIOTECHNOLOGY
FIRST SEMESTER

COURSE : MAJOR CORE
PAPER : ECONOMIC ZOOLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS

(10X3=30)

1. Name any three species of Honey Bees.
2. Enumerate any three diseases of silk worm.
3. Give the common name for the following:
 - a. *Pyrilla perpusilla*
 - b. *Leptocorisa varicornis*
 - c. *Heliothis armigera*
4. Define the following:
 - a. Hypophysation
 - b. Eye Stalk Ablation
 - c. Nacreous Layer
5. Give any one ecological role of the following:
 - a. Slug
 - b. Centipede
 - c. Snails
6. Comment on the following:
 - a. Colonising adults
 - b. Complementary castes
 - c. Vermiwash
7. Name anyone
 - a. Feed Animal
 - b. Cultured Prawn species
 - c. Product of Piggery
8. What are the following?
 - a. Isin Glass
 - b. Fish Guana
 - c. Squalene
9. Explain the role of phytophagous mammals in influencing the flora of an area.
10. Match the following:
 - a. Brahma - American Class
 - b. Cornish - Asiatic Class
 - c. Rhode Island - English Class

SECTION – B**ANSWER ANY FIVE QUESTIONS****(Draw diagrams wherever necessary)****(5X6=30)**

11. Name any three pests of Cotton and explain the damage caused, prevention and treatment procedures.
12. Give a brief account of Products of Bee Keeping.
13. Give an account of the essential ingredients of Integrated Pest Management and the need for IPM.
14. Explain the methods of preservation and processing of fish.
15. Write a note on Dairy Farming.
16. Describe the setting up of a Vermipit. What are the advantages of Vermicompost?
17. What are the objectives of Polyculture? Explain polyculture of Carps.

SECTION – C**ANSWER ANY TWO QUESTIONS****(Draw diagrams wherever necessary)****(2X20=40)**

18. Detail the Extracting and Sampling methods of Soil microarthropods.
19. What is the principle of Integrated Fish Farming? Explain the same with suitable examples.
20. Draw and explain the Life History of *Bombyx mori*. Add a note on rearing of silk worms.
21. Give a detailed account of Selective breeding, Housing and Rearing of Poultry.
