

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

SUBJECT CODE: 15ZL/MC/EZ14

B.Sc. DEGREE EXAMINATION NOVEMBER 2015
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) State whether the following statements are true or false.
 - a) Oyster young ones are named as spats.
 - b) Rearing of marine fish is called fin fish culture.
 - c) Pokkali culture is a paddy cum prawn culture.

- 2) Fill in the blanks.
 - a) Honey bee belongs to the order _____.
 - b) The zoological name of rock bee is _____.
 - c) Mass movement of bees from one place to another place is known as _____.

- 3) Distinguish between:
 - a) Bee wax and Propolis.
 - b) Univoltine and Bivoltine.
 - c) Intensive and extensive fish culture.

- 4) Explain the following:
 - a) Termatopheles
 - b) Smoke drying
 - c) Aseel

- 5) Mention the diseases caused by the following organisms.
 - a) Flacherie
 - b) Coccidiosis
 - c) Muscardine.

- 6) Give the common name of the following pest:
 - a) *Nilaparvata lugens*
 - b) *Chilo infuscatellus*
 - c) *Pyrilla perpusills*

- 7) Give any three uses of honey.

- 8) Draw a neat labelled diagram of Bee hive.

- 9) Comment on the following.
 - a) Waterer
 - b) Feeder
 - c) Cage

- 10) Write the application of the following.
 - a) Chandraki
 - b) Fish glue
 - c) Ovaprim

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

- 11) Briefly explain the life history of *Bombyx mori*.
- 12) Describe the life cycle, nature of damage and control measures of any two pests of Paddy.
- 13) Briefly explain damages caused by termites to crops and buildings.
- 14) Explain any three Preservation techniques in Fishing Industry.
- 15) Write a brief note on housing and rearing of fowls.
- 16) Write short notes on any two live feed organisms.
- 17) Briefly explain any two economically important soil animals.

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

- 18) Write an essay on Apiculture in India.
- 19) Give an account on Integrated Pest Management (IPM).
- 20) Write a detailed account on various process involved in Vermibiotechnology. Add a note on its significance.
- 21) Discuss in detail hypophysation technique in fishes and eye stalk ablation in Prawn.
