

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(5 Pages)

Reg. No:

Question Code No: 25000606

Course Code: 24USZ031

UG Degree - End Semester Examinations, November 2025

Third Semester

B.Sc. ZOOLOGY

Economic Zoology

(For those who joined in July 2024 onwards)

Time: 3Hours

Maximum: 75 Marks

PART – A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer:

1. Drone bees are responsible for:
(a) Collection of nectar (b) Guarding hive
(c) Fertilizing the queen (d) Producing wax
2. Which silkworm species produces mulberry silk?
(a) *Antheraea mylitta* (b) *Bombyx mori*
(c) *Philosamia ricini* (d) *Attacus atlas*

(OR)

(b) Enumerate vaccination measures in poultry farming.

15. (a) Explain the common contagious diseases of cattles.

(OR)

(b) Portray the process of artificial insemination in cattle.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

16. (a) Write an essay on social organization in honey bees.

(OR)

(b) Explain in detail the rearing methods of silkworm.

17. (a) Describe physical, chemical and biological changes caused by earthworms in soil.

(OR)

(b) Describe the mechanism of vermicompost, harvesting, advantages of vermiculture.

18. (a) Explain methods of composite fish culture.

(OR)

(b) Write an essay on ornamental fish culture.

19. (a) Discuss the housing and equipment required for commercial poultry.

(OR)

(b) Explain in detail layer management in poultry farming.

20. (a) Write an essay on dairy cattle diseases and their management.

(OR)

(b) Explain the process of pasteurization and its significance.