

CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN,
NUVEM-GOA

B.Sc. CBCS SEMESTER V Examination, January 2022

Subject code: ZOD-102 Applied Zoology

Subject name: Zoology

Total marks: 60

Duration: 02 hrs.

Total No of pages: 02

Instructions: 1. All questions are compulsory

2. Figures to the right indicate marks allotted to the question

3. Illustrate your answers wherever necessary

Q1. Answer any **five** of the following.

(2X5= 10 marks)

- What are the branches of Applied Zoology?
- What is 'Vermiwash'?
- Briefly discuss methods of collection of Vermicompost.
- Briefly discuss the economic importance of Earthworms.
- List the main parts of 'Langstroth hive'.
- Comment on composition and uses of 'Royal jelly'.
- List the management practices for managing the disease and pests of silkworm.

Q2. Answer any **five** of the following.

(2X5= 10 marks)

- Write the identifying feature of 'Leghorn breed of Poultry'.
- Comment on Heat stress management in Poultry farm.
- What is 'Candling' in poultry?
- What is brooding? Comment on types of brooding.
- Comment on Goan breed of pig.
- Give four points of difference between Synthetic milk and Natural milk.
- Write any two characteristic features of 'Holstein Friesian' breed of cattle.

Q3.A). Write a short note on preparation of vermibed.

(5)

OR

A) Write a short note on appliances of beekeeping.

B) Submit an account of 'lifecycle of honey bees'.

(5)

Q4.A) Explain the different types of silk and silkworms in India

(5)

OR

A) Explain the use of the different equipment's used in the rearing of *Bombyx mori*

B) Discuss the causes, symptoms and control measures of **Fowl cholera** and **Avian Influenza** in fowls (5)

Q5.A) Describe the characteristics of poultry breeds of 'American class'. (5)

OR

A) Submit an account of **any two viral diseases** of pig with reference to clinical findings and preventive measures.

B) Give a brief account of 'Products of Piggery' and their uses. (Any three) (5)

Q6. A) Submit an account on Indigenous 'Milch dairy breeds' of cattle. (5)

OR

A) Discuss the care and management strategies of New born calf.

B) Write a short note on composition, preparation and uses of Butter and Paneer. (5)