

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

B.Sc. CBCS SEMESTER V Examination, January 2021

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)

- a. What are the branches of Applied Zoology?
- b. How do earthworms contribute to improvement of soil quality?
- c. State characteristic features of any 2 Indian Honey bee species
- d. Comment on composition and uses of 'Bee wax'.
- e. Write causative agent and symptoms of American foulbrood.
- f. What are the benefits of sericulture?
- g. Name any four diseases of silkworm.

Q2. Answer any five of the following. (2X5= 10 marks)

- i. Give four points of differences between Good Layers and Bad Layers (poultry)
- ii. Write the identifying feature of Aseel breed of Poultry
- iii. What are the symptoms of and preventive measures for fowl cholera?
- iv. Comment on Heat stress management in Poultry farm.
- v. What are the advantages and disadvantages of Battery Cage system in Poultry farming? (2 points)
- vi. Enlist the advantages of Pig farming.
- vii. Write characteristic features of any two indigenous Milch breeds of cattle

Q3.A). Write in brief the factors influencing earthworm culture. Differentiate between Epigeic and Endogeic earthworms. (5)

OR

A) What are the characters you would look for to choose a species of Earthworm for vermicomposting?

B) Describe colony organization and division of labour in honey bees. (5)

Q4.A) Draw and describe the silk gland in silkworm. (5)

OR

A) Briefly discuss the symptoms and control measures for Uzi fly infestation.

B) Discuss in brief the causes, symptoms and control measures of **Ranikhet disease** and **Avian Influenza** in fowls (5)

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

OR

A) Submit an account of any three English breeds of pig.

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

Q6. A) Submit an account on Exotic dairy breeds of cattle. (5)

OR

A) Write a short note on composition, preparation and uses of ghee and cheddar cheese.

B) Explain the Feeding schedule of cattles with reference to their age in dairy farming. (5)