

**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**

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*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)