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BSCZOC 281

**Choice Based Credit System IV Semester B.Sc.
Degree Examination, September 2022
(2020-21 Batch Onwards)
ZOOLOGY
Histology, Animal Behaviour and Applied Zoology**

Time : 3 Hours

Max. Marks : 80

Instruction : Draw diagrams ***wherever necessary.***

PART – A

1. Answer **any ten** of the following questions :

(10×2=20)

- a) What is a hepatic triad ?
- b) What are leydig cells ? Name the hormone secreted by them.
- c) Draw a neat labelled diagram of thyroid follicles.
- d) Name the castes in a termite colony.
- e) What is catadromous migration ? Give an example.
- f) Define courtship behaviour. Name any two birds exhibiting it.
- g) What are exotic breeds ? Name any two.
- h) Write a short note on fowl cholera.
- i) Name any four milk products.
- j) Write the uses of bee-wax.
- k) Name any two diseases of honeybees.
- l) Name any two host plants of lac insect.

P.T.O.



PART – B

UNIT – 1

2. Answer **any two** of the following questions : (4×2=8)
- a) Draw a neat labelled diagram of T.S. of an ovary of a mammal.
 - b) Write a note on different types of papillae found on the mammalian tongue.
 - c) Draw a neat labelled diagram of T.S. of adrenal gland of a mammal.
3. Answer **any one** of the following : (7×1=7)
- a) Describe the histology of pancreas of a mammal.
 - b) With a neat labelled diagram describe the histological details of mammalian stomach.

UNIT – 2

4. Answer **any two** of the following questions : (4×2=8)
- a) What is learnt behaviour ? Explain habituation.
 - b) Write an explanatory note on communication in honey bees.
 - c) Explain parental care in :
 - i) Hippocampus
 - ii) Tilapia.
5. Answer **any one** of the following : (7×1=7)
- a) Give an account of nesting behaviour in Baya weaver bird and Tailor bird.
 - b) Explain the types of bird migration with suitable example.

UNIT – 3

6. Answer **any two** of the following questions : (4×2=8)
- a) What are broilers and layers ? Give two examples for each.
 - b) Describe the ecological classification of earthworms giving an example for each.
 - c) Give an account of desi breeds of chicken.



7. Answer **any one** of the following : (7×1=7)
- a) Discuss the importance of cattle in biogas, gelatin and fertilizers.
 - b) Describe the indoor and outdoor methods of vermiculture.

UNIT – 4

8. Answer **any two** of the following questions : (4×2=8)
- a) Describe the formation of natural pearl.
 - b) Write a note on culturing of ornamental fishes.
 - c) Write a note on cultivation of lac.

9. Answer **any one** of the following : (7×1=7)
- a) Explain the Langstroth method of bee keeping.
 - b) Define Aquaculture. Give an account of induced breeding and fish seed production.
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