



**III Semester B.Sc. Degree Examination,
November/December 2019**

ZOOLOGY

**Paper Z 3 – Economic Zoology and Histology
(CBCS)**

Time : 3 Hours

Max. Marks : 70

Instructions :

- 1) Answer **all** Sections.
- 2) Draw a labelled diagrams wherever necessary.

SECTION – A

Answer **any five** of the following :

(5 × 2 = 10)

1. Mention any four diseases of Poultry.
2. Mention the structural and functional unit of kidney. Which part of the nephron bear brush bordered epithelium?
3. Define Moriculture. Name any two important varieties of mulberry plants.
4. What do you mean by apiculture? Who is regarded as father of bee keeping?
5. What is Polyculture? Name any two examples of carp fishes.
6. What is histology? Mention the type of muscle found in tongue.
7. Expand MOET and IVF.

SECTION – B

A. Answer **any four** of the following :

(4 × 5 = 20)

8. Write a short note on the economic importance of Catla Catla and Labeo rohitha.
9. Explain briefly about the types of non-mulberry silkworms. Add a note on the significance of sericulture and its by products.
10. Write a short on the nutritive value of fowl's egg.
11. Sketch and label the mouth parts of Honey bee.
12. Explain briefly about the medicinal value of honey.

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B. Answer **any two** of the following : (2 × 5 = 10)

13. Write a note on histological details of hepatic lobule.
14. With a labeled diagram of T.S. of Human Pancreas and elaborate about pancreatic acinus.
15. Draw a labeled diagram of T.S. of human ovary and elaborate about Graafian follicle.

SECTION – C

A. Answer **any two** of the following : (2 × 10 = 20)

16. Explain the sting apparatus of the honey bee with a labeled diagram.
17. Explain the classification of cattle breeds based on their utility. Add a note on any two exotic breeds of cattle.
18. Describe the life cycle of silk moth with a neat labeled diagram.

B. Answer **any one** of the following : (1 × 10 = 10)

19. Describe the histology of small intestine with a neat labeled diagram.
 20. Explain in detail the histology of mammalian testis.
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