

**Sixth Semester B.Sc. Degree Examination, September 2020**

(CBCS Scheme)

**Zoology****Paper VII – APPLIED ZOOLOGY**

Time : 3 Hours]

[Max. Marks : 90

*Instructions to Candidates : Draw neat labelled diagrams wherever necessary.***PART – A**

- I. Answer any **TEN** of the following : (10 × 2 = 20)
1. Briefly explain the mode of transmission of Typhoid.
  2. Sketch and label *Rickettsia prowazekii*.
  3. Name the hosts of *Wuchereria bancrofti*.
  4. Define Sericulture.
  5. What is Hypophysation?
  6. Mention the advantages of Induced breeding.
  7. Name the different breeds of Buffalo.
  8. Briefly explain Avian leucosis.
  9. What are Transgenic animals? Give an example.
  10. What is Artificial insemination?
  11. What is micro injection method?
  12. Expand GIFT and ET.

**PART - B**

II. Answer any **SIX** of the following :

**(6 × 5 = 30)**

13. What is host? Explain Intermediate host.
14. Explain the transmission and preventive measures of Tuberculosis.
15. List the byproducts of silk industry.
16. Write a note on Poultry farming.
17. List the characters of Hallikar.
18. Explain the Production Dolly by Nuclear transplantation method.
19. Describe the production of Chimeric mice by Embryonic stem cell transplantation.
20. Give an account of In-vitro fertilization.

**PART - C**

III. Answer any **FOUR** of the following :

**(4 × 10 = 40)**

21. Write notes on :
  - (a) *Borrelina recurrentis*
  - (b) *Treponema pallidum*
22. Explain the life history and pathogenicity of *Schistosoma haematobium*.
23. Describe the life cycle of *Bombyx mori*.
24. Explain the processing and preservation of fishes.
25. What are Exotic breeds? Write the characteristic features of Plymouth rock and Giriraja.
26. Give an account of different diseases in cattle.