

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)

Zoonotic Disease, Structure and Functions in Invertebrates & Vertebrates
(Core (New-23))

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.
3. Draw neat and labeled diagram wherever needed.

Que-1 Answer any seven out of ten. (14)

- 1.1. Explain chandipura virus encephalitis.
- 1.2. What is foodborne zoonoses?
- 1.3. Draw culex life cycle.
- 1.4. Who is more prone to Zoonotic diseases?
- 1.5. Application of Shannon- Wiener index.
- 1.6. What is the importance of studying mouth parts?
- 1.7. List out some common parasites with scientific name.
- 1.8. Draw life cycle of *Tenia solium*.
- 1.9. Write about royal jelly.
- 1.10. Describe uses of lac.

Que-2 Answer any two out of three. (14)

- 2.1. Describe Zoonotic Diseases.
- 2.2. Explain "How to deal with pets?".
- 2.3. Write about: Mosquito biology and control.

Que-3 Answer any two out of three. (14)

- 3.1. Describe significance of larval forms.
- 3.2. Write a short note on larval forms of free-living invertebrates.
- 3.3. Write classification, organization and general characters of reptiles with examples.

Que-4 Answer any two out of three. (14)

- 4.1. Make a note on: Mouth parts of locust or house cricket with drawing.
- 4.2. Write short note on: reproduction in members of any three phylum.
- 4.3. Give differences in between excretion in earthworm and cockroach with diagram.

Que-5 Answer any two out of three. (14)

- 5.1. Explain about pest management.
- 5.2. Describe about useful insects.
- 5.3. Write about apiculture.
