

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (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.

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- Que.1 Answer any seven out of Ten. (14)
- 1) Classify zoonotic disease based on transmission route.
 - 2) Explain chandipura virus infection?
 - 3) Draw ootype.
 - 4) What are metameric animals?
 - 5) Write about phyllosoma.
 - 6) Explain mouth parts of leech.
 - 7) Where do the larvae of *Ascaris* migrate in the human body?
 - 8) Are cockroaches dioecious or hermaphrodite? Explain in short.
 - 9) Write some names of larval forms.
 - 10) Name a few methods of environmental pest control.
- Que.2 Answer any two out of three. (14)
- (2.1) Describe zoonotic diseases.
 - (2.2) Explain in detail the mouth parts of the cockroach.
 - (2.3) Describe mosquito life cycle.
- 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 invertebrates.
 - (3.3) Write classification and general characters of amphibian with examples.
- Que.4 Answer any two out of three. (14)
- (4.1) Make a note on: Mouthparts in invertebrates.
 - (4.2) Write short note on: reproduction in annelids.
 - (4.3) Explain the excretion in hydra and *Tenia solium* with diagram.
- Que.5 Answer any two out of three. (14)
- (5.1) Explain pest management of stored grains.
 - (5.2) Write about bee biology and culture.
 - (5.3) Describe about chemical control.
