

PGD WILDLIFE HEALTH Semester - 1 Examination**December-2024****Disease dynamics in wildlife (LEVEL 1)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. Figures to the right indicate marks.

Section A Give Short Answer of the following Questions (3 Marks Each) [15]

1. Define Zoonotic Diseases
2. Define parasites; provide a few examples for endo and ectoparasites of wild animals
3. Explain the term biomagnification
4. Give three examples for Zoonotic pathogens
5. Define the term pathology

Section B Give Medium Answer of the following Questions (5 Marks Each) [25]

6. (a) Write a brief about viral diseases and symptoms in wildlife

OR

- (b) Discuss the term infectious diseases with examples

7. (a) Write a note about the role of vaccination in wildlife health

OR

- (b) Discuss the role of parasite control measures in wildlife management

8. (a) Write about various adaptations in wildlife to maintain indigenous health.

OR

- (b) Discuss the effect of environmental contaminants on population-level dynamics in wildlife

9. (a) Explain the physiological, behavioural, and ecological effects of toxicant exposure on wildlife species.

OR

- (b) Discuss the impact of metal pollution on wildlife health.

10. (a) Write an introduction about ecotoxicology

OR

- (b) Explain biomagnification in wildlife with illustrated examples

Section C Answer the following Questions (10 Marks Each, Attempt Any 3) [30]

11. Elaborate on zoonotic diseases, and explain their causative agents, modes of transmission and impacts giving examples.
12. Discuss the co-evolutionary processes between parasites and their hosts, focusing on immune responses, pathological impacts, and ecological consequences of parasitism giving examples
13. Discuss the current and emerging threats to wildlife health, with respect to infectious diseases.
14. Explain the sources and pathways through which wildlife is exposed to toxins, and discuss their impacts with relevant examples.
15. Write a descriptive note on the impact of climate change on wildlife health
