

**PGD WILDLIFE HEALTH Semester - 1 Examination****December-2024****Wildlife health and Ecology (LEVEL 1)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. Figures to the right indicate marks.

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

1. Explain the significance of wildlife health in wildlife conservation
2. Describe the scope and current advances in the field of wildlife health
3. What is ecosystem dynamics? Explain in the perspective of the health of wildlife
4. Explain various modes of transmission of parasites
5. Define Necropsies

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

6. (a) Write a brief about history of wildlife health studies in India

**OR**

- (b) Explain the effects of habitat degradation on the health of wild animals

7. (a) Write a note on non-infectious diseases in the wildlife

**OR**

- (b) Explain various interactions between the wildlife and its natural environment

8. (a) Write a brief account on "Host-pathogen interactions"

**OR**

- (b) How would you monitor the population of herbivore in a natural ecosystem?

9. (a) Explain mycobacteriosis and its causes to wildlife

**OR**

- (b) Explain the host-defence mechanisms

10. (a) Enlist and explain the important factors responsible for spread of wildlife disease

**OR**

- (b) Define habitat loss and explain how it affects the health of wildlife population

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

11. Discuss the ecology and microbiology of important wildlife diseases
12. Discuss the principles and methods of disease surveillance
13. Discuss the current disease management strategies in free ranging wildlife populations
14. Describe biotic and abiotic factors affecting the disease transmission
15. Discuss the mechanisms of monitoring diseased animal under the captivity

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