

Roll No.

D-1009**M. Sc. (Fourth Semester) (Main/ATKT)
EXAMINATION, 2020**

ZOOLOGY

(Optional Group—I)

Paper Fourth

(Wildlife Conservation)*Time : Three Hours]**[Maximum Marks : 80***Note :** Attempt all Sections as directed.**Section—A**

1 each

(Objective/Multiple Choice Questions)**Note :** Attempt all questions.

Choose the correct answer :

1. The most important human activity leading to the extinction of wildlife is :
 - (a) Pollution of wildlife
 - (b) Hunting for valuable wildlife products
 - (c) Introduction to alien species
 - (d) Alternation and destruction of the natural habitats

2. Viable material of endangered species can be preserved by :
 - (a) Gene bank
 - (b) Gene library
 - (c) Gene pool
 - (d) Herbarium
3. The loss of rainforest each year is equivalent to the size of which country ?
 - (a) New Zealand
 - (b) Luxembourg
 - (c) Australia
 - (d) Pakistan
4. Forests support habitats with high :
 - (a) Food chain
 - (b) Food web
 - (c) Biodiversity
 - (d) Biosphere
5. Why does genetic diversity have a major role in the adaptability and survival of a species ?
 - (a) Any population should remain the same regardless of the outer change in the environment
 - (b) Ability of population to adopt to changing environment
 - (c) Environment remains unchanged even if the population changes.
 - (d) Population inability to adopt to changing environment

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6. Which one of the following is not included under in-situ conservation ?
- (a) National Park
 - (b) Sanctuary
 - (c) Botanical Garden
 - (d) Biosphere Reserve
7. Which one of the following is the correctly matched pair of an endangered animal and a national park ?
- (a) Great Indian bustard – Keoladeo National Park
 - (b) Lion – Corbett National Park
 - (c) Rhinoceros – Kaziranga National Park
 - (d) Wild ass – Dudhwa National Park
8. If the per capita growth rate of a species is a positive constant, then :
- (a) The population size grows linearly
 - (b) The population size grows exponentially
 - (c) The population size is constant
 - (d) The population size grows logarithmically
9. From the point of view of natural vegetation and wildlife, India belongs to which of the following categories ?
- (a) One of twelve mega biodiversity countries of the world
 - (b) The richest wildlife zone in the world
 - (c) The country with the greatest forest cover
 - (d) A country lacking in biodiversity cover

(B-15) P. T. O.

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10. The Wildlife Protection Act contains :
- (a) 7 chapters
 - (b) 6 chapters
 - (c) 5 chapters
 - (d) 8 chapters
11. What is the most likely problem or contamination in the flowing surface water ?
- (a) Blue green algae
 - (b) High Salts
 - (c) High iron concentration
 - (d) Bacteria
12. A disturbance will :
- (a) Remove species from an area and alter available resources
 - (b) Only remove species from an area
 - (c) Only increase available resources
 - (d) Only alter available resources
13. Which of the following does not describe eco-tourism ?
- (a) Environmentally educated
 - (b) Science based
 - (c) Sustainably managed
 - (d) Nature based

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14. The process of successful establishment of the species in a new area is called :
- (a) Sere
 - (b) Climax
 - (c) Invasion
 - (d) Ecesis
15. Wildlife not subjected to harvest regulations :
- (a) Game animal
 - (b) Land ethic
 - (c) Non-game animal
 - (d) Conservation
16. What is the most effective treatment for equine influenza ?
- (a) AB therapy
 - (b) IV fluid
 - (c) Anti-inflammatory drugs
 - (d) Rest in the clean air environment
17. The Indian Wild Ass Sanctuary is located at :
- (a) Kerala
 - (b) Gujarat
 - (c) Andhra Pradesh
 - (d) Karnataka
18. The Buxa Tiger Reserve in West Bengal has been threatened about the loss of habitat of many species due to :
- (a) Industrial development

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- (b) Agricultural expansion
 - (c) Port activities
 - (d) Mining
19. How many species of tigers are found in the wild today ?
- (a) Four
 - (b) Five
 - (c) Six
 - (d) Seven
20. Which of the following statements is correct about the sanctuary ?
- (a) Multipurpose protected areas to preserve genetic diversity in representative ecosystem
 - (b) A reserved area meant for preserving its natural vegetation wildlife and natural beauty
 - (c) A reserved area meant for preservation and development of endangered species
 - (d) All of the above

Section—B

2 each

(Very Short Answer Type Questions)

Note : Attempt all questions.

1. Describe conservation ethics.
2. Why is grazing important ?
3. Describe faecal analysis.
4. When was Bombay Natural History Society established and what are its functions ?

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5. Why is wildlife monitored ?
6. Describe translocation in animals.
7. What are the most common diseases in animals ?
8. Why is tiger conservation important ?

Section—C

3 each

(Short Answer Type Questions)

Note : Attempt all questions.

1. Write a short note on benefits of wildlife management.
2. Write down the role of remote sensing in wildlife conservation.
3. What is wildlife population ?
4. Write a short note on national organization of wildlife.
5. What is ecological perturbation ?
6. What are the benefits of wildlife tourism ?
7. What is quarantine for animals ?
8. What is Community Reserve ? Explain.

Section—D

5 each

(Long Answer Type Questions)

Note : Attempt all questions.

1. Describe the role of physical parameters of wildlife management.

Or

Write short notes on the following :

- (a) Preservation of general genetic diversity
- (b) Habitat management

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2. What are the methods of population estimation ?

Or

Describe management planning of wildlife in protected areas.

3. Describe Biotelemetry in wildlife.

Or

Write in brief about care of injured and diseased animals.

4. What are the major challenges and issues of Tiger Reserves ?

Or

Describe conservation reserves and community reserves in India.

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