

**M.Sc. ENVIRONMENTAL SCIENCE  
FOURTH SEMESTER  
WILDLIFE ECOLOGY  
MEV-403 A**

(Use separate answer scripts for Objective & Descriptive)

Duration : 3 hrs.

Full Marks : 70

**( PART-A : Objective )**

Time : 20 min.

Marks : 20

**Choose the correct answer from the following:**

1x20=20

1. *Sus salvanius* is the scientific name of-
  - a. Pygmy hog
  - b. Assamese macaque
  - c. Golden langur
  - d. Leopard
2. *Gyps bengalensis* is a-
  - a. Bird
  - b. Mammal
  - c. Amphibian
  - d. Algae
3. Assam Roofed Terrapin (*Kachuga sylhetensis*) is-
  - a. Rare species
  - b. Endangered species
  - c. Vulnerable species
  - d. Data deficient species
4. Tiger is a-
  - a. Keystone species
  - b. Umbrella species
  - c. Foundation species
  - d. Indicator species
5. Number of Ramsar sites in India are-
  - a. 26
  - b. 19
  - c. 17
  - d. 4
6. World Conservation Unit (WCU) was established in which of the following year?
  - a. 1984
  - b. 1973
  - c. 1948
  - d. 1983
7. High rainfall, high humidity and high temperature is the characteristic of-
  - a. Tropical rain forest ecosystem
  - b. Desert ecosystem
  - c. Temperate ecosystem
  - d. Tundra ecosystem
8. Among the following which one is the foundation species?
  - a. Corals
  - b. Elephant
  - c. Sea urchins
  - d. Kelp
9. The far eastern curlew is threatened by-
  - a. Poaching
  - b. Habitat loss
  - c. Pollution
  - d. Farming
10. In which year, the IUCN was established?
  - a. 1947
  - b. 1948
  - c. 1949
  - d. None



11. The Breeding of and Experiments on Animals (Control and Supervision) Rules was enacted in the year-

- a. 1998
- b. 2001
- c. 2006
- d. None

12. Taxidermy is the preservation of-

- a. Organs
- b. Organisms
- c. Skin
- d. All

13. Vermin, under the wildlife act of India are specified in-

- a. Schedule II
- b. Schedule V
- c. Schedule VI
- d. None

14. Tress protect the soil from erosion which worth approximately of-

- a. 5 lakh
- b. 6 lakh
- c. 10 lakh
- d. 12 lakh

15. Snow leopard is included under which IUCN category?

- a. Endangered
- b. Vulnerable
- c. Threatened
- d. None

16. How many species of elephants are there in the world?

- a. 2
- b. 3
- c. 4
- d. None

17. Central Zoo Authority is constituted under which section of the wildlife act of India?

- a. 38(A)
- b. 35(A)
- c. 18
- d. None

18. How many elephant corridors are there in Assam?

- a. 13
- b. 10
- c. 8
- d. None

19. The Chief Wildlife Warden is appointed under the Wildlife Act of India by-

- a. Central government
- b. State government
- c. Both
- d. None

20. The prevention of Cruelty to Animals Act of India have-

- a. 66 sections
- b. 54 sections
- c. 39 sections
- d. None

**( PART-B : Descriptive )**

Time : 2 hrs. 40 min.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

1. Discuss the threats and values of wildlife. 10
2. Discuss the role of national parks and protected areas in conservation of wildlife. 10
3. Write a note on the following- 10  
(a) Keystone species.  
(b) Umbrella species.
4. "Wetlands are the habitat of wildlife". Discuss with suitable example. 10
5. Define human-wildlife conflict. Mention the causes and mitigation measures for these conflicts. 1+4+5=10
6. Discuss about the various developmental activities that are hampering the wildlife conservation. 10
7. What do you mean by wildlife management? State the biological techniques of wildlife management. 1+9=10
8. Define the terms captive born and captive breeding. Write the various techniques of captive breeding for wildlife management. 2+8=10

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