

**M.Sc. ENVIRONMENTAL SCIENCE
FOURTH SEMESTER
WILDLIFE ECOLOGY: CONSERVATION AND MANAGEMENT
MEV-402A**

Duration : 3 hrs.

Full Marks: 70

(PART-A: Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

1. Willow bark from wild flora provides -
 - a. Production value
 - b. Consumptive value
 - c. Social value
 - d. All of these
2. Wood provides _____
 - a. Consumptive value
 - b. Social value
 - c. Production value
 - d. All of these
3. Providing salt lick is a _____ basis of wildlife management
 - a. Biological
 - b. Ecological
 - c. Economic
 - d. Societal
4. Poaching is a -
 - a. Animal level problem
 - b. Protection level problems
 - c. Management level problem
 - d. Habitat level problem
5. As per FAO, a forest should have taller trees greater than -
 - a. 10 meters
 - b. 5 meters
 - c. 2 meters
 - d. None of these
6. A Conservation Reserve is declared under _____ of the wildlife act of India.
 - a. Section 36 (A)
 - b. Section 36 (C)
 - c. Section II
 - d. Section 2
7. Pachmarhi Biosphere Reserve is located in-
 - a. Odisha
 - b. Gujarat
 - c. Madhya Pradesh
 - d. Rajasthan
8. Cold Desert Biosphere Reserve is found in -
 - a. Madhya Pradesh
 - b. Himachal Pradesh
 - c. Tripura
 - d. None of these
9. Lacustrine is a type of _____.
 - a. Saltwater wetland
 - b. Man-made wetland
 - c. Freshwater wetland
 - d. None of these

10. Seasonal freshwater marshes are included under -
- Riverine wetland
 - Saltwater wetland
 - Man-made wetland
 - Palustrine wetland
11. About which species of elephant was discussed in Elephant-8 meeting?
- Elephas maximus*
 - Loxodonta africana*
 - Loxodonta cyclotis*
 - All the above
12. Which housing company is associated with project snow leopard?
- Tata Housing Development
 - Unitech Builders
 - DLF Building India
 - Radianc Realty
13. Which neighbouring countries of India has participated in tiger census 2018?
- Sri Lanka, Bhutan and Nepal
 - Pakistan and Sri Lanka
 - Bangladesh and Myanmar
 - Bangladesh, Bhutan and Nepal
14. Which technique is used to preserve the gametes of threatened species viable and fertile conditions for long periods?
- Pollen bank
 - Cryopreservation
 - Cold storage
 - None of the above
15. Which of the following is an odd one?
- Game park
 - Wildlife Safari park
 - National park
 - Zoological park
16. Identify the odd one.
- Manas
 - Kaziranga
 - Sunderbans
 - Cold Desert
17. Which of the following is not a type of gene bank?
- Tissue bank
 - Sperm bank
 - Seed bank
 - None of the above
18. In India ecologically unique and biodiversity rich regions are legally protected as
- Biosphere Reserves, National Parks & Hotspots
 - National Parks & Wildlife Sanctuaries
 - Biosphere Reserves, National Parks & Wildlife Sanctuaries
 - only Hotspots
19. Which global body is associated with the Global Tiger Initiative?
- The Global Environment Facility
 - World Bank
 - International Tiger Coalition
 - All the above
20. Assertion (A): Presently ex-situ conservation has advanced beyond keeping threatened species in enclosures.
Reason (R): Biodiversity knows no political boundaries and its conservation is a collective responsibility of all nations.

a. both (A) and (R) are true and (R) is the correct explanation of (A)

b. both (A) and (R) are true but (R) is the not the correct explanation of (A)

c. (A) is false and only (R) is true

d. both (A) and (R) are false

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(PART-B : Descriptive)

Time: 2 HRS 40 MINS

Marks : 50

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

1. Why wildlife is valuable? Identify the threats associated with wildlife. 5+5=10
2. Enumerate the objectives for the selection of flagship species. How flagship species could be conserved? 2+8=10
3. Define the ecological basis of wildlife management. Mention the various techniques for the management of wildlife ecologically in a protected area. 2+8=10
4. Categorize wetland. State the factors allied with wetlands degradation. 4+6=10
5. What is ex-situ conservation? What are different methods of ex-situ conservation? Critically discuss the role of ex-situ methods in conservation of wildlife. 1+3+6=10
6. Write a short note on 5+5=10
 - a) Indian Rhino Vision 2020.
 - b) MIKE and its objectives.
 - c) Salient features of Project Tiger in India.
7. Identify the major threats to snow leopard. Write a brief note on Project Snow Leopard in India? Name any two protected areas of India where snow leopard is found. 3+5+2=10
8. Discuss about the vulture conservation in India? Name three critically endangered vulture species found in India. 7+3=10

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