

M.Sc. ENVIRONMENTAL Sc.
FOURTH SEMESTER
WILDLIFE ECOLOGY:
CONSERVATION & MANAGEMENT
MEV – 402A
[USE OMR FOR OBJECTIVE PART]

SET
A

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

{ Objective }

Marks: 20

Choose the correct answer from the following:

1X20=20

1. Botanical gardens are selected for which type of conservation?
a. In-situ Conservation
b. Ex-situ Conservation
c. Both a & b
d. None of the above
2. Identify the incorrect match between National Park and its state
a. *Raimona National Park* – Assam
b. *Khangchendzonga National Park* – Sikkim
c. *Keibul Lamjao National Park* – Manipur
d. *Dibru-Saikhowa National Park* – Nagaland
3. World wildlife week?
a. First week of October
b. Last week of October
c. First week of January
d. Last week of January
4. A gene sanctuary is an area where plants are conserved which includes,
a. Both biosphere reserves and national parks
b. biosphere reserves
c. National parks
d. None of the above
5. Pygmy hogs reside in which National Park?
a. Manas National Park
b. *Dibru-Saikhowa National Park*
c. *Khangchendzonga National Park*
d. *Raimona National Park*
6. The major factors considered to be directly acting upon wildlife are
a. Hazards, Diseases
b. Predators, Genetics
c. Resources, Human
d. All of the above
7. Nongkhylllem Wildlife Sanctuary located at,
a. South Garo Hills
b. West Garo Hills
c. East Garo Hills
d. Ri Bhoi
8. Which of the following are benefits of Sacred Grooves?
a. Repository for various Ayurvedic medicines
b. Biodiversity Hotspots
c. Recharging aquifers
d. All of the above

9. Siju Wildlife Sanctuary located at,
 - a. South Garo Hills
 - b. West Garo Hills
 - c. East Garo Hills
 - d. None of the above
10. What is the animal symbol of WWF?
 - a. White bear
 - b. Tiger
 - c. Giant panda
 - d. Kangaroo
11. About which species of elephant was discussed in Elephant-8 meeting?
 - a. Elephas maximus
 - b. Loxodonta africana
 - c. Loxodonta cyclotis
 - d. All the above
12. Which housing company is associated with project snow leopard?
 - a. Tata Housing Development
 - b. Unitech Builders
 - c. DLF Building India
 - d. Radiance Reality
13. Which neighbouring countries of India has participated in tiger census 2018?
 - a. Sri Lanka, Bhutan and Nepal
 - b. Pakistan and Sri Lanka
 - c. Bangladesh and Myanmar
 - d. Bangladesh, Bhutan and Nepal
14. In India ecologically unique and biodiversity rich regions are legally protected as
 - a. Biosphere Reserves, National Parks & Hotspots
 - b. National Parks & Wildlife Sanctuaries
 - c. Biosphere Reserves, National Parks & Wildlife Sanctuaries
 - d. only Hotspots
15. Which global body is associated with the Global Tiger Initiative?
 - a. The Global Environment Facility
 - b. World Bank
 - c. International Tiger Coalition
 - d. All the above
16. Which programme was started in South Asia countries in 2003 to provide information on elephant and to provide institutional capacity for elephant management?
 - a. Hathi Mere Sathi
 - b. Mascot Gaju
 - c. Elephant-8
 - d. MIKE
17. How many recognized elephant corridors are found in NE India
 - a. 17
 - b. 20
 - c. 22
 - d. 28
18. How many tigers were estimated in India as per 2018 census?
 - a. 2123
 - b. 1706
 - c. 2967
 - d. 2226
19. Identify the odd one.
 - a. Manas
 - b. Kaziranga
 - c. Sunderbans
 - d. Cold Desert

20. Project Snow Leopard is functioning in which of these states in India?
- a. J&K, Himachal Pradesh
 - b. Sikkim & Arunachal Pradesh
 - c. only in Uttarakhand
 - d. all the above

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(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

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

1. Write a short note on (*any two*) 5+5=10
 - a. Indian Rhino Vision 2020.
 - b. MIKE and its objectives.
 - c. Salient features of Project Tiger in India.
2. What are In-situ and Ex-situ conservation? Describe various methods to achieve Ex-situ conservation. 3+7=10
3. What is the difference between a biosphere reserve and National Park? Describe the significance of different zones of Biosphere Reserve with suitable diagram. Write name of a Biosphere Reserve and its location. 2+6+2
=10
4. What is wildlife genetics? Explain how genetics can act a vital role in wildlife conservation? Write the different techniques of genetics used in wildlife conservation. 2+5+3
=10
5. Critically discuss the salient features of Wildlife Protection Act. 1972 and its amendment in India 10
6. 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
7. Discuss about the vulture conservation in India? Name three critically endangered vulture species found in India. 7+3=10
8. Write note on (*any two*) 5+5=10
 - a. Seed bank
 - b. Gene sanctuary
 - c. Cryopreservation

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