

M.Sc. ENVIRONMENTAL SCIENCE
- THIRD SEMESTER
WILDLIFE ECOLOGY:
WILDLIFE HABITAT & POPULATION
MEV - 304A [REPEAT]
[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

- The grasslands of USA are called as-
 - Prairies
 - Savanna
 - Pampas
 - Veldt
- Puri (1960) had classified grassland according to-
 - Moisture
 - Climate
 - Temperature
 - None of these
- Sal trees are dominant in-
 - The islands
 - Swamp forest
 - Deciduous forest
 - Montane forest
- Odisha has ___ number of elephant corridors.
 - 6
 - 8
 - 13
 - None of the above
- Capture-recapture method is a ___ type of survey.
 - Tertiary
 - Ancillary
 - Principal
 - None of the above
- Dung assessment in wildlife census is a ___ survey.
 - Tertiary
 - Primary
 - Secondary
 - None of the above
- Census assists to study the population-
 - Change
 - Composition
 - Size
 - All of the above
- Riparian forests are included under-
 - Tropical forest
 - Littoral forest
 - Temperate forest
 - None of these
- Which type of behavior is genetically inherited?
 - Instinct
 - FAP
 - Imprinting
 - All the above

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

1. Mention the reasons for human-wildlife conflict. State the mitigation measures for human-wildlife conflict. 5+5=10
2. What is a wildlife census? How wildlife census is done? 2+8=10
3. Define wetland. State the causes of wetland degradation along with the mitigation measures for conservation of wetland for wildlife. 2+4+4
=10
4. What are the bird flyways found over India? Discuss about their significance. What are the common threats found along these flyways? 2+4+4
=10
5. Write short notes on 5+5=10
 - a) Asian Big Cats with special reference to India.
 - b) Types of innate behavior.
6. What is animal migration? What are different types of migration? Why does animal migrate? What are different skills used by animals to migrate? 2+3+2+
3=10
7. 2+2+6
=10
 - a. What is the difference between Habitat fragmentation and Habitat loss?
 - b. What are conservation corridors?
 - c. Give arguments for and against conservation corridors.
8. 2+8=10
 - a. Define-
 - i. Mullerian mimicry
 - ii Batesian mimicry
 - b. Write down the metamorphosis of butterfly.

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