



M.Sc. WILDLIFE CONSERVATION
First Semester
BASIC OF WILDLIFE SCIENCE & CONSERVATION
(MWS - 102)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.

1. Write short notes- (2.5×4=10)
 - (a) Endemic species
 - (b) Indicator species
 - (c) Foundation species
 - (d) Key stone species
2. What is "Rhino Vision 2020"? State the aim and objectives of this programme. Also brief the rhino translocation programme conducted in Dudhwa NP. (2+5+3=10)
3. What are the differences between Hispid Hare and Common Hare? Mention the distribution range, ecology and threat perspective of Hispid Hare. (4+6=10)
4. How many sub-species of Swamp deer is there in India? Brief the distribution range and feeding ecology of Swamp deer. Also mention about the recent conservation initiative on swamp deer in Assam. (2+5+3=10)
5. Define biosphere reserve. Write the objectives and structure of a biosphere reserve. Mention the names of the biosphere reserve of Assam. (2+6+2=10)
6. Define Zoo. How many types of zoos are there in India? Write the role of zoo in wildlife conservation. (2+5+3=10)

7. Discuss role of birds in evergreen and semi-evergreen forests. (10)

8. Discuss a case study for community conservation initiatives undertaken for birds. (10)



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Duration: 20 minutes

Marks – 20

(PART A - Objective Type)

1×20=20

I. Choose the correct answer:

- i) What is the population size of Asian elephant in India?
(a) 10,000-15,000 (b) 15,000-20,000
(c) 20,000-25,000 (d) None of the above
- ii) In which of the following area, there is no rhino?
(a) Manas National Park (b) Dibru-Saikhowa National Park
(c) Kaziranga National Park (d) Orang National Park
- iii) How many species of bats are there in India?
(a) <100 (b) 100-125
(c) 125-150 (d) None of the above
- iv) In which area, rhino immigrated and established a new population?
(a) Dudhwa NP (b) Vulmiki TR
(c) Garumara NP (d) None of the above
- v) Rodents are –
(a) Nocturnal (b) Diurnal
(c) Both a & b (d) None of the above
- vi) The term *ethics* derives from the –
(a) Latin word (b) Greek word
(c) English word (d) None of the above
- vii) Full form of PETA is –
(a) Person for the Ethical Treatment of Animals.
(b) People for the Ethical Treatment of Animals.
(c) Public for the Ethical Treatment of Animals.
(d) None of the above.
- viii) How many sacred grooves are there in India?
(a) <1000 (b) <5000
(c) >25,000 (d) >50,000
- ix) How many schedules are there in the wildlife act of India?
(a) Five (b) Six
(c) Seven (d) None of the above

- x) Umbrella species are –
(a) Long ranging animals (b) Small ranging animals
(c) Medium ranging animals (d) None of the above
- xi) Full form of PFA –
(a) People for Animals (b) Pupil for Animals
(c) Public for Animals (d) None of the above
- xii) How many sub-species of swamp deer are there in India?
(a) Three (b) Four
(c) Five (d) None of the above
- xiii) In which area, rhinos are kept inside a big enclosure?
(a) Dudhwa NP (b) Vulmiki TR
(c) Garumara NP (d) None of the above
- xiv) How many zones are there in a national park?
(a) Two (b) Three
(c) Four (d) None of the above
- xv) Who publishes the Red Data Book?
(a) CITES (b) IUCN
(c) GTF (d) None of the above
- xvi) What is the present population size of Swamp deer in Kaziranga NP?
(a) 1,100-1,200 (b) 1,200-1,300
(c) 1,300-1,500 (d) None of the above
- xvii) The land of a community reserve belongs to -
(a) State Government (b) Central Government
(c) Public (d) None of the above
- xviii) With increase in pesticide run-off, species diversity of insects
(a) Increases (b) Decreases
(c) Remains the same (d) None of the above
- xix) Which identification feature is found in Greater Adjutant Stork but not in Lesser Adjutant Stork?
(a) Thinner legs (b) Thicker legs
(c) Grey band (coverts) on wings (d) Orange band (coverts) on wings
- xx) Which particular birds' casque was used as headgear in Arunachal Pradesh?
(a) Ostrich (b) Hornbill
(c) Broadbill (d) Grey jungle fowl
