

**M.Sc. ZOOLOGY**  
**THIRD SEMESTER**  
**BIO-RESOURCE & WILDLIFE MANAGEMENT (MDC)**  
**MSZ-306**

Duration: 3 Hrs.

Marks: 70

PART : A (OBJECTIVE) = 20

PART : B (DESCRIPTIVE) = 50

**[ PART-B : Descriptive ]**

Duration: 2 Hrs. 40 Mins.

Marks: 50

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

1. Define protected area. Describe different types of protected area found in India with their characteristics. (2+8=10)
2. Write short notes on the following: (4×2.5=10)
  - (a) Forest fragmentation.
  - (b) Wildlife Trafficking.
  - (c) Habitat poisoning.
  - (d) Ex-situ conservation.
3. Write the correct name of the wildlife act of India. How many sections and chapters are there in the wildlife act of India? Brief details about the section related to hunting. (1+2+7=10)
4. Define zoo. Write the characteristics of a zoo. How many types of zoos are there in India? (1+5+4=10)
5. Define the term forest. What is the importance of forest as a resource? (2+8=10)
6. What are the aims for fish culture? Discuss the important qualities considered for aquaculture fishes. (2+8=10)
7. What is sericulture? Discuss the main diseases of silkworms and countermeasures for disease prevention. (2+8=10)
8. What are the differences between renewable and non-renewable resources? (10)

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**[ PART-A : Objective ]**

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

**1×20=20**

1. Tiger reserve is a kind of:
  - a. In-situ conservation
  - b. Ex-situ conservation
  - c. Both a & b
  - d. None
2. Which one of the following shawl is illegally made in India?
  - a. Pashmina
  - b. Shahtoosh
  - c. Both a & b
  - d. None
3. A management plan for protected area includes:
  - a. Anti-poaching plan
  - b. Patrolling plan
  - c. Intelligence gathering plan
  - d. All of these
4. Cryopreservation comes under:
  - a. In-situ conservation
  - b. Ex-situ conservation
  - c. Both a & b
  - d. None
5. What is the full form of WCCB?
  - a. Wild Life Crime Control Board
  - b. Wild life Crime Control Bureau
  - c. Wildlife Crime Control Bureau
  - d. None
6. In which year, the Prevention of Cruelty to Animal Act of India was enacted?
  - a. 1950
  - b. 1960
  - c. 1970
  - d. None
7. Who will be the worst sufferer if there is tree canopy loss?
  - a. Ground dwellers
  - b. Arboreal species
  - c. Both a & b
  - d. None
8. Cattle vaccination programme is done by the forest department at the:
  - a. Forest
  - b. Fringe village
  - c. Both a & b
  - d. None
9. Habitat destruction includes:
  - a. Weeds infestation.
  - b. Plantation of few selective species.
  - c. Forest fire.
  - d. All of these.
10. How many species of elephants are traded globally?
  - a. Two
  - b. Three
  - c. Four
  - d. None
11. Which of the following are non-renewable resources?
  - a. Fossil fuels
  - b. Forests
  - c. Animals
  - d. All of the above
12. Which of the following are renewable resources?
  - a. Plants
  - b. Animals
  - c. Air
  - d. All of the above
13. We should conserve all wildlife because they:
  - a. Have economic value.
  - b. Maintain balance of the nature.
  - c. Maintain diverse genetic resources.
  - d. All of the above.
14. Which of the following resources are exhaustible?
  - a. Coal
  - b. Natural gas
  - c. Petroleum
  - d. All of the above



**[PART (A) : OBJECTIVE]**

Duration : 20 Minutes

Serial no. of the  
main Answer sheet

15. Which of the following are culturable fishes?
  - a. *Labeo rohita*
  - b. *Catla catla*
  - c. *Labeo gonius*
  - d. All of the above
  
16. We should use fossil fuels judiciously because, they are:
  - a. Polluting agents.
  - b. Difficult to produce.
  - c. Exhaustible resources.
  - d. All of the above.
  
17. The main causes of deforestation are:
  - a. Demand for wood and timber.
  - b. Forest degradation.
  - c. Expansion of crop land.
  - d. All of the above.
  
18. Which of the following are non-ferrous mineral resources?
  - a. Iron
  - b. Rubber
  - c. Gold
  - d. All of the above
  
19. The physical properties of soil depend upon the percentage of:
  - a. Silt
  - b. Gravel
  - c. Clay
  - d. All of the above
  
20. Soil fertility is reduced because of:
  - a. Deforestation
  - b. Salinity
  - c. Erosion
  - d. All of the above

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Course : .....

Semester : ..... Roll No : .....

Enrollment No : ..... Course code : .....

Course Title : .....

Session : ..... 2017-18 ..... Date : .....

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**Instructions / Guidelines**

- The paper contains twenty (20) / ten (10) questions.
- Students shall tick (✓) the correct answer.
- No marks shall be given for overwrite / erasing.
- Students have to submit the Objective Part (Part-A) to the invigilator just after completion of the allotted time from the starting of examination.

Full Marks	Marks Obtained
20	

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Scrutinizer's Signature

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Examiner's Signature

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Invigilator's Signature