



**NAVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Science
Program/s: MSC LS
Year: 2nd **Semester:** 3rd
Examination: End Semester Examination
Examination year: December 2022

Course LS210

Code:

Date: 07/12/2022

Time: 11:30 am to 1:30 Pm

Course Biodiversity, Wildlife Biology and Ethology

Name:

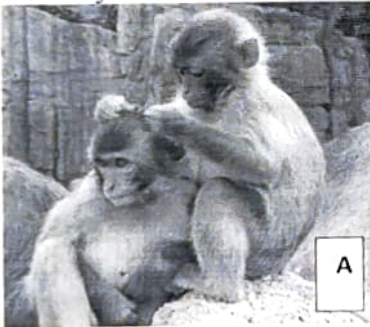
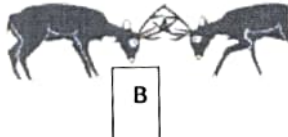
Total 40

Marks:

Total Pages: 1

Instructions:

- Write each answer on a new page.
- Use of a calculator is permitted/not permitted.
- * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	COs*	BTL#
Q.1	<p>Do as directed</p> <p>1) Identify the behavior shown in the picture below:</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>2) State any 2 National parks where Tiger conservation is carried out?</p> <p>3) The interaction in which an individual gives up or sacrifices some of its own reproductive potential to benefit another individual is called _____.</p> <p>4) Name any 2 ethologist and their contribution.</p> <p>5) State full form of IUCN</p> <p>6) List out 2 important use of camera traps?</p>	6	CO1,CO2, CO3, CO4	BT1, BT2, BT3
Q.2	<p>Answer the questions in brief (6*2=12)</p> <p>1) What are the three main fields of biogeography?</p> <p>2) State the difference between conservation and preservation.</p>	12	CO1,CO2, CO3, CO4	BT1, BT2, BT3

3) Where do you find below animal in India? Mention 2 important conservation threats to the animal?



- 4) What is the difference between endemic and exotic species? Give example.
- 5) Explain the difference between innate and learned behavior.
- 6) What is ethogram?

Q3. Answer the following questions (2*3=6) (any 2)

6

1. Briefly discuss the limitation of dispersal theory in understanding biogeography.
2. With the help of an example, explain cladogram.
3. State five ecological principles.

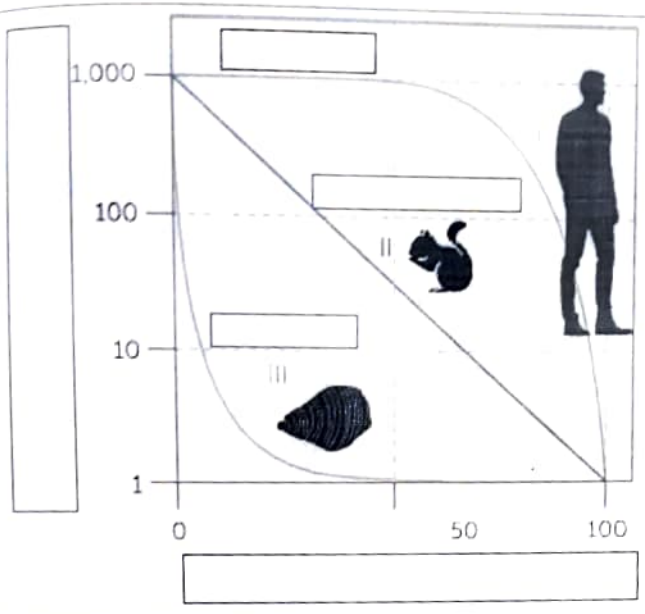
Q4. Answer the questions in detail (4*4=16) (any 4)

16

- 1) Discuss in detail ecological resilience.
- 2) Give a detail insight on the courtship and aggressive behavior exhibited by sticklebacks. Additionally, comment on the experiment conducted to prove their behavior.
- 3) What is habituation and sensitization? With help of an appropriate example explain the phenomenon.
- 4) Discuss about any 2 reptiles or amphibian or mammals under IUCN endangered category of your interest and explain their habitat, threats and conservation strategies if any.
- 5) Give your comments on the graph indicated below:
 - a. Give appropriate title to the graph
 - b. Comment and explain the graph

CO1,CO2,
CO3,
CO4

BT3



*****End of Question Paper*****