

Enrollment No. _____



**NAVVRACHANA
UNIVERSITY**
a UGC recognized University

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

Course Code: LS273, **Course Name:** Ethno and Economic Biology

Date: 02/12/2022

Time: 8.30 am to 10.30 pm

Total Marks: 40

Total Pages: 02

Instructions:

→ Write each answer on a new page.

→ * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	CO	BTL
Q.1	<p>Do as directed.</p> <p>1. A process in which an animal learns to associate a previously neutral stimulus with a behaviour that was once triggered by a different stimulus is called</p> <p>a) Classical conditioning b) Role model imitation c) Parental conditioning d) Habitual imprinting</p> <p>2. Mulberry silkworm is</p> <p>a) <i>Bombyx mori</i> c) <i>Anthraea mylitta</i> b) <i>Anthraea assamensis</i> d) <i>Attacus atlas</i></p> <p>3. Communication is</p> <p>a) Innate and learned b) Accomplished only by mammals c) learned only d) innate only</p> <p>4. What is the branch of biology studies which deals with the study of human and animal behaviour is called as?</p> <p>5. Name atleast one scientist who is considered as pioneer of Animal behaviour.</p> <p>6. Which is the main active principle in flaxseed which helps to strengthen cardiovascular system?</p> <p>7. What is the daily cycle of activity that occurs over a 24 hour period of time called as?</p> <p>8. Define 'Centre of Origin'.</p> <p>9. Define artificial insemination.</p> <p>10. What is the scientific name of Indian bee?</p> <p>11. Rearing of honey bees is called _____.</p> <p>12. Aquaculture is the farming of</p> <p>a) Fishes and crustaceans. b) Mollusks. c) Aquatic plants d) All of them.</p>	1x12=12	CO1,2,3,4	BTL1,2,3
Q.2	Answer the following in brief (Any six)	2x6=12	CO1,2,3,4	BTL1,2,3

	<ol style="list-style-type: none"> 1. What are the two main types of behaviour? Give two features of each type. 2. Give difference between kinesis and taxis. 3. Give atleast two benefits of embryo transfer. 4. What is Imprinting? Explain in brief with an example. 5. What is lac and what are its different uses? 6. Give importance of biological clocks in human beings. 7. Give atleast two methods of fish farming. 8. How is the territorial behaviour seen among lions and tiger and what is the purpose of this behaviour? 			
Q.3	Write short notes on (Any two) <ol style="list-style-type: none"> 1. Artificial insemination in cattles 2. Use of folk medicine in India 3. Vavilov's origin of cultivation 	2x3=6	CO1,2,3,4	BTL1,2,3
Q.4	Answer the following in detail (Any two) <ol style="list-style-type: none"> 1. What information do animals convey during communication? Describe, with examples, the types of signals encountered. 2. Who figured out Classical conditioning? Describe with an example. Is this behaviour found in human beings too? 3. Why is Queen bee given importance among honey bees? Explain its life cycle. How is the selection of Queen done? 	2x5=10	CO1,2,3,4	BTL1,2,3

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