

School of Science **School:**

Program/s: BSc-LS

Year: 2nd Semester: 3rd

Examination:

End Semester Examination

Examination year: December - 2021

Course Code: LS273,

Course Name: Ethno and Economic Biology

Date: 02/12/2021

Total Pages: 02

Total Marks: 40

Time: 8.30 am to 10.30 am

Instructions:

- → Please read the questions carefully and answer accordingly
- → All the questions are compulsory
- → Draw the diagram wherever necessary

Q. No.	Details	Marks	CO	BTL
Q.1	Do as directed.	1x12=1	CO1	BTL1,2,3
	1. Rearing of honey bees is called	2	CO2	
	2. Mulberry silkworm is		CO3	
	a) Bombyx mori c)Anthraea mylitta b) Anthraea assamensis d) Attacus atlas 3. Communication	*	CO4	
	 a) Innate and learned b) Accomplished only by mammals c) learned only d) innate only 4. What is the branch of biology studies which deals with the study of human and animal behaviour is called as? 5. Name atleast one scientist who is considered as pioneer of Animal behaviour. 6. What do you mean by Evolutionary fitness? 			*
	7. What is the daily cycle of activity that occurs over a 24 hour period of time called as?8. A process in which an animal learns to associate a	10		
	previously neutral stimulus with a behaviour that was once triggered by a different stimulus is called		19 20 20 41	8 8 8 1
	a) Classical conditioningb) Role model imitationc) Parental conditioningd) Habitual imprinting	-		

	9. In honey bee society, the workers castes consist of	2		
	10. Before going out to gather food, honey bees indulge in one of the following acts.			
	a) Parform a 1			
	c) make man 1	t		
	ialler	ıl		
	11. Aquaculture is the farming of	1 9		
	a) Fishes and crustaceans.			v , v, v
	c) Aquatic plants d) All of them 12. Which is the correct scientific name of Castor oil –	ı.		
	Titlius communis or Sesamum in dia			
Q.2	Answer the following in hrief (Any six)	261		II .
	1. What are the two main types of behaviour? Give two	2x6=1	2 CO1	BTL1,2,.
	features of each type.		CO ₂	
4 ²	2. Give difference between kinesis and taxis.		CO3	
	3. Give atleast two benefits of embryo transfer.		CO4	
	4: What is Imprinting? Explain in brief with an example.			·
	5. What is lac and what are the its different uses?			
	6. Give importance of biological clocks in human beings.			0
3 1	7. Give atleast two methods of fish farming.			
	8. How is the territorial behaviour seen among lions and tiger		n **	
	and what is the purpose of this behaviour?			s² s
2.3	Write short notes on (Any two)			
- 1		2x3=6	CO1	BTL1,2,3
- 1	. Artificial insemination in cattles		CO2	
2	2. Use of folk medicine in India		CO3	
3	. Vavilov's origin of cultivation	p 8	CO4	e e e
.4 A	nswer the following in detail (Any two)	S .	V	
ň	1. What information do aris 1	6x2=12	CO1	BTL1,2,3,4
	communication? Describe with examples of		CO2	
			CO3	
	Ondition of the state of the		CO4	*
-				
	3. Why is Queen bee given importance among honey bees? Explain its life cycle. How is the selection of Queen			
1	done?			1
	done:			1