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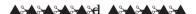
Or

Write about osmoregulatory migration in fishes.

(D) Write an essay on biological clock. 12

Or

Write notes on echolocation in bats and language of honey bee.



Roll No	Total No. of Sections : 4
	Total No. of Printed Pages :

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## **III Semester Examination**

## M.Sc.

## Paper IV

[Animal Behaviour]

Time: Three Hours [ Maximum Marks: 80 [ Min. Passing Marks: 16

Note: Part A and B of each question in each unit consists of Very Short Answer Type Questions which are to be answered in one or two sentences. Part C (Short Answer Type) of each question will be answered 200-250 words. Part D (Long Answer Type) of each question should be answered within the word limit 400-450.

## Unit-I

- 1. (A) Give examples of innate behaviour.2(B) Which brain lobe is considered as silent area?
  - (C) Write about stimulus filtering. 4

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Or		
	Write the role of metencephalon in controlling behaviour.	
(D)	Discuss role of hypothalamus in feeding, drinking and reproductive behaviour. 12	
Or		
Write the effect of adrenal gland on behaviour.		
Unit-II		
(A)	Define single gene effect. 2	
(B)	Name honey bee strain which shows polygenic	
	inheritance of behaviour. 2	
(C)	Explain Mobbing. 4	
Or		
	Write about homeostasis and behaviour.	
(D)	Write an essay on territoriality. 12	
Or		

Explain with examples single and multiple gene

[2]

effect on behaviour.

2.

Unit-III **3.** (A) What is Pariarchy? 2 (B) What is altruism? 2 (C) Write about female choice. 4 Or Explain sexual selection. (D) Explain social behaviour, write advantages of being social. 12 Or Describe courtship in three spine stickleback fish. Unit-IV 4. (A) Define Imprinting. 2 (B) What is Thornadike box ? 2 (C) Write about altitude and speed of bird migration. 4

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