This question paper contains 3 printed pages.]					
Your Roll No					
1342 A					
B.Sc. (Hons.)/I					
ZOOLOGY—Paper I					
(Animal Diversity I)					
NON-CHORDATA					
(Admissions of 2004 and onwards)					
Time: 3 Hours Maximum Marks: 55					
(Write your Roll No. on the top immediately					
on receipt of this question paper.)					
Attempt five questions in all, including					
Q. No. 1 which is compulsory.					
1. (a) Name the animals that possess the following:					
(i) Rhopalia.					
(ii) Laurer's Canal 2					
(b) Write zoological names for the following animals and					
classify each up to its order:					
(i) Venus flower basket.					
(ii) Organ pipe coral.					
(iii) Sea mouse.					
(iv) King crab. 6					

(	(c)	Distinguish between the following:			
		(i) Ommatidium and ocelli			
4:		(ii) Ephyra and scyphistoma			
	4	(iii) Porocyte and choanocyte			
		(iv) Filopodia and reticulopodia			
		(v) Hemimetabola and Holometabola 5			
(d) Match the following in Column A with the appropri					
		one in Column B:			
			Column A	Column B	
		(i)	Green Gland	Sycon	
		(ii)	Botryoidal Tissue	Trypanosoma	
		(iii)	Prosopyle	Paramecium	
		(iv)	Trichocyst	Arthropoda	
		(v)	Rhabdite	Leech	
		(vi)	Tsetse fly	Planaria 6	
2.	(a)	(a) Explain different modes of nutrition in various group			
of protozoans.				5	
	(b)	Describe the process of conjugation in Paramecium.			
		Add a note on its significance.			
3	(a)	Write an essay on Polymorphism in Hydrozoa. 6			
	(b)	Explain the phenomenon of Metagenesis with the help			

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of one example.

(iv) Social insects.

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