This question pa	per contains 3 printed pages]	
•		Roll No.
S. No. of Questio	on Paper : 2373	
Unique Paper C	ode : 2231402	<b>F-4</b>
Name of the Pa	per : Comparative Anato	omy of Vertebrates
Name of the Co	ourse : B.Sc. (Hons.) Zoolo	ogy
Semester	: <b>IV</b>	
Duration: 3 Ho	ours	Maximum Marks: 75
(Write yo	ur Roll No. on the top immedi	ately on receipt of this question paper.)
	Attempt five questions in al	l, including Question No. 1.
1. (a) Defin	ne the following terms:	. 5
<i>(i)</i>	Solenocytes	
(ii)	Holobranch gill	
(iii)	Carnassial tooth	
(iv)	Plastron	
(v)	Meninges	•
(b) Diffe	erentiate between the following:	10
<i>(i)</i>	Monocondylic and Dicondylic s	kull
(ii)	Polyphyodont and Diphyodont of	dentition
(iii)	Ductus Caroticus and Ductus B	Botalli
(îv)	Meibomian and Ceruminous gla	and
(v)	True horns and Antlers.	

Justify the statement that integument is "Jack of All trades".

2.

3.

4.

(b)

		( 3 )	2373
5.	(a)	Briefly describe the structure and functions of air sacs in birds.	6
	(b)	Describe respiration in Amphibia.	6
6.	(a)	What are receptors? Classify them with suitable examples.	6
	( <i>b</i> )	What are the various types of uteri in mammals?	6
7.	Writ	te short notes on any three of the following:	3×4
	(i)	Types of feathers	
•	(ii)	Cranial nerves in mammals	
	(iii)	Ruminant stomach	
	(iv)	Types of centrum	