Thi	s ques	tion pa	per contains 3 printed pages.]	
			Your Roll No	
	104	20		
	13	00	•	
	В.	Sc. (Hons.) ZOOLOGY / II Sem.	A
		`	Paper II – ZOHT – 203	
			liversity III – Chordata-II	
		אסונת	iiveisity III – Chordata-II	
Tin	ne:3	Hours	Maximum Marks	: 75
, <i>(</i> 17	rite yo	ur Rol	i No. on the top immediately on receipt of th question paper.)	is _.
	Ans	swer fi	ve questions in all. Question No. 1 is compulsory.	
1.	(a)	word	• •	. 8
			Larynx and syrinx	•
	•	(ii)	Tangorecyptors & Algesireceptors.	•
		(iii)	Hyostyly & Craniostyly: Mullerian and Wolffian duct.	
	(b)	` '	the exact location of the following:	6
	(0)		Uncinate process	U
			Foramen ovale	
		` '	Pessulus	
			Rete mirabile	
		• •	Organ of Corti	
		(vi)	Zvgosphene	

(c)	Defin	ne the following:	4
` ′	(i)	Splanchno cranium	
	` '	Synovial joint	
	(iii)	Pseudobranch	
	` '	Corpora Quadrigemina	
(d)	Indic	ate whether the following statements rue or False:	6
	(i) .	The hyomandibular cartilage is modified into malleus in Tetrapoda.	
	(ii)	The reptilian skull has only one occipital condyle.	
	(iii)	Foramen Ovule is present in Reptilian heart.	
	(iv)	Synsacrum in birds is formed by the fusion of posterior vertebrae and pelvic girdle.	
	(v)	Functional kidney of amphibians is opisthonephros.	٠
	(vi)	Duplex uterus is found in Primates.	
(e)		v a well labelled and neat sketch of L.S. rinx of bird.	3
	cuss tebrate	the evolution of visceral arches in s.	12
		evolution of Auritic Arches in various vertebrates.	12
(a)	Discuss succession of Urogenital ducts in vertebrates.		
(b)		cuss the utility of lymphatic system to ebrates.	4

2.

3.

4.

5.	(a) Give an account of swim bladder, and its functions in fishes.
	(b) Trace the evolution of pectoral girdle in vertebrates.
6.	Describe the structure of Mammalian ear with suitable diagrams and discuss the physiology of hearing.
7.	Write short notes on any three of the following:
	(i) Cranial nerves in Mammals
	(ii) Autonerve N.S.
	(iii) Jaw suspension
	(iv) Classification of Recentors