Your Roll No.

Subsidiary for B.Sc. Honours / II AS

ZOOLOGY—Paper IV

(Physiology w.r.t. Human)

(Admissions of 2004 and onwards)

Time: 3 hours

Maximum Marks: 50

(Write your Roll No. on the top immediately on receipt of this question paper.)

Attempt five questions in all, including Question No. 1 which is compulsory.

- 1. (a) Distinguish between the following:
 - (i) Diabetes mellitus and insipidus
 - (ii) Fatigue and tetany
 - (iii) Plasma and serum
 - (iv) Endocrine and exocrine glands.

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- (b) Define the following:
 - (i) Diuresis
 - (ii) Rouleax formation
 - (iii) Rigor mortis
 - (iv) Hyperglycaemia.

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	(c)	Substitute one term for each of the following:			
		(i) Dis	ease due to lac	k of iodine in diet	
		(ii) Ion	s that trigger m	uscular contractio	n. 2
2.	(a)	How is o	oxygen transpor	ted in blood?	4
	(b)	Describe	e the phenomer	on of <i>chloride shi</i> j	ft. 5
3.		ovide a detailed account of the physiology of female roduction.			
1.	(a)	a) Provide an account of the composition of blood. 3			
	(b)	Discuss	the process of t	plood coagulation.	6
5.	Exp	cribe in detail the structure of skeletal muscles. clain the basic mechanism of muscular contraction relaxation.			
5.	(a)	Provide thyroid p		ount of the functi	oning of 7
	(b)		describe the d	isorders involving	thyroid 2
7.	Write short notes on any three of the following:				
	(a)	Respirat	ory volumes		