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## B.Sc. (Part—II) Semester—IV Examination FORENSIC SCIENCE

(Forensic Biology)

Tin	ie: T	hree ]	Hour	5]		[Maximum M	arks : 80
	Not	e :	(1)	All questions are compulsory.			
	(2) Q. No. 1 carries 8 marks and remaining question carry 12 marks each.						
	(3) Illustrate your answers will well labelled diagrams wherever necessar						
1.	(A)	Fill in the blanks :					
		(i) The term cell was coined by				1/2	
		<ul><li>(ii) The membrane around the vacuole is called</li></ul>					1/2
		(iii) Viruses that attack bacteria is commonly called as				1/2	
		(iv) A mutation which occurs due to addition of extranucleotide is called					1/2
	(B)	Choose correct alternative from the following :-					
	A reliable evidence of sex identification is						1/2
			(a)	External sexual character	(b)	Sex Hormone level	
			(c)	Presence of ovary & testis	(d)	Sexual behaviour	
(ii) Blue line on the gums indicates poisoning with						vith	1/2
			(a)	Mercury	(b)	Lead	
			(c)	Cadmium	(d)	Arsenic	
		(iii)	The best bones for determining sex are:				1/2
			(a)	Skull and long bones	(b)	Skull and Pelvis	
			(c)	Pelvis and long bones	(d)	Sternum and long bone	
		<ul><li>(iv) Sign of general violence in raped female victim is —</li></ul>				tim is —	1/2
			(a)	Hair disarrangement	(b)	Tears in clothes	
			(c)	Nail abrasions around mouth	(d)	Abrasion in inner side of thigh	
	(C)	Ans	wer	in ONE sentence:			
	<ul><li>(i) Vectors are ?</li><li>(ii) Carbon dating technique is developed by ?</li></ul>						1
							1
		(iii)	Soc	lomy means ?			1
		(iv)	Wh	at is Asphatia ?			1
2.	Describe the following :—						
	(a)	) Prokaryotic cell.					4
	(b)	b) Liquid component of blood.					4
	(c)	E.M. Structure of Neuron (diagram only)					4
				OF	3		
3/13/	1 167	02		,			(Contd.)