Seat No.	:	
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MO-131

March-2019

B.Sc., Sem.-VI

CC-309: Biochemistry

Time: 2:30 Hours]				[Max. Marks: 70					
Instruct	tions	: (1) (2)	All questions carry equal marks. Draw diagram wherever necessary.						
1. (A	(A) Di								
	(i)	Wha (1) (2) (3) (4)	or is the effect of followings on host system? Protein-A Hyaluronidase Fibrinolysis Leucocidin	7					
	(ii) Defi	ine endotoxins and discuss their mode of action.	7					
2. (A	(1 (2 (3 (4 (5 (6) What Give () List () What () Defi	ine Primary pathogen. at is LD_{50} ? e examples of two exotoxins. the portals of entry for microbes. at is the effect of HCHO and dilute acid on exotoxins? ine: Toxoid. The alternative and MBL pathways of complement activa	ation. 4					
			OR						
	(i) (ii		cuss the mode of action of interferon. lain: Phagocytosis.	7					
(B	(1) (2) (3) (4) (5) (6)) Wha) Defi) Wha) Dray	ny four: at is the function of lysozyme? and : Avidity at are haptains? w and label precipitin curve. ach immune response is faster and why? the the immunoglobulin involved in classical pathway.	4					
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3.	(A)	Disc	Discuss the followings:			
		(1)	CFT.			
		(2)	Agglutination inhibition			
		(3)	RIA			
		(i)	Explain: Process of production of monoclonal antibodies.	7		
		(ii)	Discuss: Type III hyper sensitivity.	7		
	(B)	Ansv	wer any three :	3		
		(1)	What is passive immunization?			
		(2)	State one use of Immunoelectrophoresis.			
		(3)	Define : Antibody titer.			
		(4)	List two causative agents of Type IV hypersensitivity.			
		(5)	Name two enzymes commonly used in ELISA.			
4.	(A)	Defi	14			
		(i)	Explain: Hfr X F ⁻ and F ⁺ X F ⁻	7		
		(ii)	Discuss: Transformation process in bacteria	7		
	(B)	Answer any three :		3		
		(1)	Define : Conjugation			
		(2)	What is a prophage?			
		(3)	Name the scientists who discovered the process of conjugation.			
		(4)	What is interrupted conjugation? Where it is used?			
		(5)	What is auxotroph and prototroph?			

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