P.T.O.

AD-130

April-2023 B.Sc., Sem.- VI

CC-309: Microbiology

(Medical Microbiology) Time 2.20 Hours								
1 1111	Time: 2:30 Hours] [Max. Marks: 70							
Instructions:		ns:	(1)	All questions are compulsory.				
			(2)	Draw figures wherever necessary.				
		ı	(3)	Figures on right side indicate marks				
1.	Write	e a note	e on 1	types and mechanisms of Exotoxins.	14			
OR								
	(A)	Descri	ibe o	verview of viral pathogenicity.	7			
	(B)	Write	a no	te on gnotobiosis.	7			
2.	Desc	ribe No	osoco	omial infections.	14			
		OR						
	(A)	Enlist	type	s of vaccines and discuss their hazards.	7			
	(B)	Discus	ss the	e techniques to study epidemiology.	7			
2	Wilson	t ia ali	miaal	anguinean 2 Diagonas different tymes of anguineans and their collection				
3.	What is clinical specimen? Discuss different types of specimens and their collective techniques with storage precautions.							
OR								
	(A)	Descri	ibe p	athological changes in blood and body fluids that aid in diagnosis.	7			
	(B)			erent immunological techniques available for diagnosis and describe	7			
		weste	TH DI	otting.	7			

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4.	Discuss aetiology, symptoms, transmission diagnosis and treatment of : AIDS.						
		OR					
	(A)	Describe Hepatitis A with respect to its aetiology, symptoms, transmission					
		diagnosis and treatment of it.	7				
	(B)	Write a note on Rabies.	7				
5.	Answer in short : (Any seven)						
	(1)	How do endotoxins work?					
	(2)	What is cytopathic effect? Give two examples of the same.					
	(3)	Name any four enzymes that help in pathogenicity.					
	(4)	What is CDC? Which city harbours its global head-quarter?					
	(5)	What is mortality rate? How will you calculate it?					
	(6)	What is Incidence rate and Index case?					
	(7)	Name two disease that can be diagnosed using microscopy along with the specimen used.					
	(8)	What is API20E? Give its significance.					
	(9)	The isolated pathogen show following biochemical results:					
		Sugars are fermented but with acid production only, H ₂ S is positive but urea is					
		negative. Name the bacterium.					
	(10)	Name the enzymes that help in pathogenicity of Swine flu.					
	(11)	Enlist complications of Dengue.					
	(12)	Enlist types of Anthrax and give symptoms of any one type.					

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