	cribe in detail Hepatitis 'B' virus (HBV).	12
	OR	
Des	cribe in detail Rabies virus.	12
(a)	Give characteristics of ideal chemotherapeutic	agents. 4
(b)	Discuss disc diffusion method of antimis susceptibility testing.	crobial 4
(c)	Explain any two antibacterial agents with their uses.	clinical 4
	OR	
(d)	Discuss broth dilution method of drug susceptesting.	otibility 4
	· marring.	•
(e)		ne with
(e) (f)	Explain mechanism of action of Azidothymidi	•
	Explain mechanism of action of Azidothymidi its clinical use.	ne with 4
	Explain mechanism of action of Azidothymidi its clinical use.	ne with
	Explain mechanism of action of Azidothymidi its clinical use.	ne with

I	3.Sc. 1	Part-	-II (Semester–IV	') Ex	amination		
		45	: MICROBIOI	JOG	Y		
•		(N	Medical Microbio	ology)		
Time—T	hree l	Hours	·]	[Ma	ximum Marks—80		
Not	te :—	-(1)	ALL questions a	ие со	mpulsory.		
		(2)	Draw well label necessary.	led d	liagrams wherever		
1. (a)	Fill	in the	e blanks :				
	(i)	The long form of ELISA is					
	(ii)	B.C.G. Vaccine protects against					
	(iii)	Antibodies produced from single clone is called as					
	(iv)		is degree of p	patho	genecity. 2		
(b)	Cho	ose t	he correct alterna	tive :	•		
	(i)	of					
		(a)	Type-I Hypersen	ısitivi	ty		
		(b)	Type-II Hyperse	nsitiv	ity		
		(c)	Type-III Hyperse	ensiti	vity		
		(d)	Type-IV Hypers	ensiti	vity		
	(ii)	the cell wall of					
		-	cobacterium.				
		(a)	Teichoic acid	(b)	Mycolic acid		
		(c)	Hyaluronic acid	(d)	Acetic acid		
UBS50074		1	٠	(Contd.)			

	(iii) Streptomycin is produced by		3.	(a)	Explain in brief Thymus.	4			
	(a) Aspergillus			(b)	Explain Phagocytosis in brief.	4			
	(b) Penicillium (c) Streptomyces species			(c)	Define Hypersensitivity and enlist different type hypersensitivity.	es of			
	(d) Rhizopus				OR				
	(iv) Hydrophobia is caused by (a) HIV virus (b) Polio virus			(d)	What is immunity? Give its classification.	4			
	(a) HIV virus (b) Polio virus (c) Hepatitis virus (d) Rabies virus			(e)	Explain in brief physiological barriers.	4			
(c)	· · · · · · · · · · · · · · · · · · ·			(f)	Explain B-Cell in brief.	4			
`.'	(i) Define Fomite.(ii) Which antibody can cross placenta?	•	4,	(a)	What is Antigen? Explain factors determinantigenecity.	ing 4			
	(iii) What is hapten?	-	•	(b)	Explain IgG in brief.	4			
	(iv) Define chemotherapy.	4	,	(c)	Explain complement fixation test.	4			
2. (a) (b)	Explain scope and classification of Epidemiolog Explain in brief vector transmission of disease.		(d)	OR Differentiate between agglutination and precipitat	ion.				
(c)	Discuss normal flora of skin. OR	4		(e)	Explain in brief monoclonal antibodies.	4			
(d)	te.		(f)	Explain IgM in brief.	4				
(e)	Differentiate between pathogenicity and virulence Describe control of air-borne diseases.	4	. 5.	Describe morphology, pathogenecity, lab diagnosis and prophylaxis of Salmonella typhi.					
(f)	(f) Explain:				OR				
	(i) Pandemic diseases(ii) Microbial exotoxins.	4	Describe morphology, pathogenecity, lab diagnosis and prophylaxis of <i>Cl. tetani</i> .						
JBS—500	74 2 (Cont	d.)	UBS-	50074	1 3 (Cont	d.)			