

HB-003-001519

Seat No.

B. Sc. (Sem. V) (CBCS) Examination

May / June - 2017

BT - 503 : Immunology

Faculty Code: 003 Subject Code: 001519

Time : $2\frac{1}{2}$ Hours] [Total Marks: 70

Instructions: (1) Question 1 covers 20 objective questions of 20 marks.

- (2) Figures in the right indicate marks.
- Give answers of objective questions in main (3) answer sheet.

SECTION - I

1	Objective Questions:			
	(1)	Which is secretory Antibody?		
	(2)	Give the full form of ADCC.		
	(3)	Life span of RBC is days.		
	(4)	T-cell mature in		
	(5)	Which cell produce antibody?		
	(6)	Who discovered the first vaccine?		
	(7)	B-cell production occure in		
	(8)	In Tansplantation, if tissue is transferred between		
		genetically identical individual than it is known as		
	(9)	Which medium is used for selection of monoclonal antibody?		
	(10)	Hypersensitivity is Ig-E mediated.		
	(11)	Rubor means		
	(12)	The ability of antigen to stimulate Ig production is		
		called		
HB-	003-0	01519] 1 [Cont	d	

	(13)	Oily Substance secreted by sebaceous gland is						
	(14)	Give the full form of RIA.						
	(15)	The cytokines responsible for Antiviral state is known						
	as							
	(16)	The process of formation and differentiation of blood cells						
		is known as						
	(17)	Which factors are cytotoxic to tumor cells but not to						
		normal cells?						
	(18)	8) The causative agent of Malaria is						
	(19)	Chronic Inflammation in joints occur in which Autoimmune disease?						
	(20)	Mast cell degranulation is done by						
		SECTION – II						
2	(A)	Write any three out of six:	6					
		(1) Define: Immunity						
		(2) What are Adjuvants?						
		(3) Give examples of primary and secondary lymphoid						
		organs.						
		(4) Define: Hypersensitivity.						
		(5) What is Graft rejection?						
		(6) Give the Importance of MHC-1 molecules.						
	(B)	Write any three out of six:	9					
		(1) Explain: Types of Granulocytes.						
		(2) Explain: Ig-E.						
		(3) Write a note on Recombinant Vaccine.						
		(4) Explain : AIDS						
		(5) Which are the factors effect on immunogenicity?						
		(6) Function of cytokines.						
	(C)	Write any two out of five:	10					
		(1) Explain: Hematopoiesis.						
		(2) Write a brief note on ELISA.						
		(3) Explain classical pathway of complement system.						
		(4) Explain: Erythroblastosis fetalis.						
		(5) Explain: T-cell maturation.						
нв	-003-0	01519] 2 [Cont	:d					

SECTION - III

3	(A)	Write any three out of six:		6
		(1)	What is Haptens?	
		(2)	Define: Agglutination.	
		(3)	What is phagocytosis?	
		(4)	What is autoimmune disease?	
		(5)	What is adaptive immunity?	
		(6)	Define: Precipitation.	
	(B)	Wri	te any three out of six :	9
		(1)	What is Antigen processing and Presentation?	
		(2)	Explain: Inflammation.	
		(3)	Explain properties of cytokines.	
		(4)	Short note on B-cell.	
		(5)	Describe: Thymus	
		(6)	Explain: T-cell Receptor.	
	(C)	Wri	te any two out of five :	10
		(1)	Explain: Innate immunity.	
		(2)	Write a note on Transplantation.	
		(3)	Explain production of monoclonal antibody by	
			Hybridoma technology.	
		(4)	Explain Types of immunoglobulins.	
		(5)	Discuss : Malaria.	