

	SECTION – I (ATTEMPT ANY 3 QUESTIONS)	MARKS
Q-1 A	EXPLAIN FIRST LINE OF DEFENSE. (ANY 3 COMPONENTS)	7
Q-1 B	EXPLAIN THE TERMS – IMMUNITY, ABZYME, ANTIGEN, PATHOGEN	7
Q-2 A	GIVE 4 DIFFERENCES BETWEEN – PRIMARY AND SECONDARY IMMUNE RESPONSE.	7
Q-2 B	GIVE 4 DIFFERENCES BETWEEN – ENDO AND EXO TOXINS.	7
Q-3 A	EXPLAIN FIRST 2 STEPS OF PHAGOCYTOSIS IN DETAIL.	7
Q-3 B	EXPLAIN LAST 2 STEPS OF PHAGOCYTOSIS IN DETAIL.	7
Q-4 A	DRAW COMPLEMENT ACTIVATION PATHWAYS (CHART ONLY)	7
Q-4 B	GIVE ALL FUNCTIONS OF COMPLEMENT SYSTEM.	7
Q-5 A	DRAW LABELLED DIAGRAM OF Y - SHAPED STRUCTUTRE OF ANTIBODY.	7
Q-5 B	EXPLAIN CHARACTERISTICS OF ANY 3 TYPES OF ANTIBODIES.	7
Q-6 A	BRIEFLY EXPLAIN INTERFERON.	7
Q-6 B	BRIEFLY EXPLAIN ANY ONE SEROLOGICAL REACTION.	7
Q-7 A	EXPLAIN ANY ONE ELISA METHOD IN DETAIL	7
Q-7 B	EXPLAIN BRIEFLY HYBRIDOMA TECHNIQUE.	7
	SECTION – II (ATTEMPT ANY 8 QUESTIONS)	8
1	NAME 2 IMMUNOLOGISTS AND THEIR CONTRIBUTION.	
2	NAME 2 SEROLOGICAL REACTIONS.	
3	DEFINE ANTISERA	
4	DEFINE EPITOPE	
5	GIVE NAME 2 BOOKS OF IMMUNOLOGY.	
6	GIVE FULL FORMS – Ts , Tc CELLS	
7	GIVE FULL FORMS – MHC, IgA	
8	NAME TYPE – I HYPER SENSITIVITY.	
9	NAME TYPE – II HYPER SENSITIVITY.	
10	NAME TYPE – III HYPER SENSITIVITY.	
11	NAME TYPE – IV HYPER SENSITIVITY.	
12	GIVE FUNCTION OF MAST CELL	
13	GIVE FUNCTION OF HELPER T - CELL	
14	GIVE FUNCTION OF LYSOZYME	
15	GIVE FUNCTION OF MUCOUS IN GASTRO INTESTINAL TRACT.	
16	----- IS NOT IMMUNE CELL ( NEUTROPHIL, NEURON, KUPFFER CELL ).	