C 1850	(Pages	: 2)	Name
			Reg. No
SIXTH SEMESTER I	3.Sc. DEGREE EX	AMINATION,	MARCH/APRIL 2016
	(UG—C	CSS)	
	Core Course—	Microbiology	
	MB 6B 19—IM	MUNOLOGY	
Time: Three Hours			Maximum: 30 Weightag
I. Answer all the <i>twelve</i> q	uestions. Each carries	weightage	
Choose the correct	answer:		
1 Which of the fo	llowing tests uses the	specific antigen?	
(a) Widal.	(b) VDRL.	
(c) Weil-F	elix. (d) Paul Bunnel.	
2 T cell mediates which type hypersensitivity?			
(a) Type I	. (t	o) Type II.	
(c) Type I	III. (c	l) Type IV.	
3 Local immunit	y is provided by:		
(a) Ig M.	(t	o) Ig G.	
(c) Ig A.	(0	l) Ig D.	
4 An example fo	r bacterial vaccine is	:	
(a) MMR	. (1	o) DPT.	
(c) IPV.	(c	d) All the three.	
Fill in the blanks			
5 Incomplete ar	tigen is called		
6 The immuno	globulin with valency 5	or 10 is	
7 Antigenic dete	erminant is otherwise	known as ———	
8 Humoral imm	nunity is mediated by		
Expand the follow	ring:		
9 ELISA.			
10 NK cells.			
11 VDRL.			
12 HIV.			(10 0 0 0 11

(12 x = 3 weighta)

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II. Answer all the nine questions in one or two sentences. Each carries weightage 1:

Comment on the following:

- 13 Cytokines.
- 14 Haemagglutination.
- 15 Plasma cells.
- 16 Dendritic cells.
- 17 Widal test.
- 18 Latex agglutination.
- 19 Isoantigens.
- 20 Interferons.
- 21 Microphages.

 $(9 \times 1 = 9 \text{ weightage})$

- III. Write briefly on any five of the following. Each carries weightage 2:
 - 22 Contact dermatitis.
 - 23 Western blotting.
 - 24 Phagocytosis.
 - 25 Inflammation.
 - 26 Classification of autoimmune diseases.
 - 27 Pathology of serum sickness.
 - 28 Monoclonal antibodies.

 $(5 \times 2 = 10 \text{ weightage})$

- IV. Answer any two of the following. Each carries weightage 4:
 - 29 Discuss the structure and functions of immunoglobulins.
 - 30 Explain the cells and organs of immune system.
 - 31 Describe different complement pathways.

 $(2 \times 4 = 8 \text{ weightage})$