



JB-3187

Second Year B. Sc. (Sem. - IV) Examination

April/May - 2013

Bioscience : Paper - II

(Basic Immunology)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दशांशविक \leftarrow निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of \leftarrow signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
\leftarrow S. Y. B. Sc. (Sem. - 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
\leftarrow Bioscience : Paper - 2	<input type="text"/>
\leftarrow Subject Code No. : <input type="text"/> 3 <input type="text"/> 1 <input type="text"/> 8 <input type="text"/> 7 \leftarrow Section No. (1, 2,.....) : <input type="text"/> Nil	<input type="text"/>
	Student's Signature

(2) Figures to the right indicate full marks of the question.

(3) Draw neat and labelled diagram wherever necessary.

1 Answer as directed. 12

- (1) Explain : Heterophilic antigen.
- (2) Describe in brief chemical barrier.
- (3) Which immunoglobulins are responsible for neutralization?
- (4) Give any two example of live vaccine.
- (5) What are NK cells ?
- (6) Define :
 - (a) Antisera.
 - (b) Self - tolerance.

2 Write an essay on internal host defense mechanism. 14

OR

- 2 (1) Describe in brief physical barrier of host defense.
- (2) Write a note on natural resistance.

- 3** Answer any two of the following. **14**
- (1) Antigens are specific chemical substances - Justify the statement.
 - (2) Write a note on Ig M.
 - (3) Describe in brief tissues of immune system.
- 4** Write short notes. (any two) **10**
- (1) Ig A
 - (2) Macrophage
 - (3) Passive immunity
 - (4) TD & TI antigen.
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