



AC-1841

M. Sc. Microbiology (Sem. II) Examination

April / May – 2015

MB - 203 : Immunology & Immunotechnology
(Old)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="M. SC. MICROBIOLOGY (SEM. - II)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="MB - 203 : IMMUNOLOGY & IMMUNOTECHNOLOGY (OLD)"/>	
Subject Code No. : <input type="text" value="1"/> <input type="text" value="8"/> <input type="text" value="4"/> <input type="text" value="1"/>	Section No. (1, 2,.....): <input type="text" value="Nil"/>

(2) Digits on right hand side indicate marks.

Q.1. Answer the following: (Any two) 18

1. Describe helper T cell mediated activation of B lymphocytes.
2. Elaborate a note on "Genomic organization of MHC".
3. Explain in detail "T cell accessory membrane molecules".

Q.2. Attempt any two: 18

1. Give detailed account on oncogenes.
2. Explain in detail the role of tumor antigens.
3. Give detailed account on tumor evasion of immune system.

Q.3. Answer the following: (Any two) 18

1. Isolation of lymphocytes.
2. Manipulation of immune system.
3. Characterization of lymphocytes.

Q.4. Write notes on the following: (Any One) 16

1. Cellular vs. antibody therapy.
2. The clinical application of antibodies.