



AC-1407
M. Sc. (Sem. II) (Microbiology) Examination
April / May – 2015
MB - 203 : Advances in Immunology &
Immunotechnology
(New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>☛ M. SC. (SEM. II) (MICROBIOLOGY)</p> <p>Name of the Subject :</p> <p>☛ MB - 203 : ADVA. IN IMMU. & IMMUNOTECHN.</p> <p>☛ Subject Code No. : 1 4 0 7 ☛ Section No. (1, 2,.....): Nil</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>						

(2) Digits on right hand side indicate marks

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

1. Describe interferons and macrophage-derived cytokines.
2. Elaborate a note on "T cells role to activate B cells".
3. Explain in detail "Signal transduction by BCR".

Q.2. Explain in detail mechanisms by which tumor develops evading immune system of host. 18

OR

Q.2. Describe in detail tumorantigens.

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

1. Isolation of lymphocytes from blood and other than blood.
2. Flow cytometry and FACS analysis fro immunity.
3. RIA vs ELISA for detection of immune response.

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

1. Applications of antibodies in clinical research.
2. Cellular antibody : detection technique and significance.