



RA-1481-82

P. G. D. M. L. T. Examination

March / April - 2010

Microbiology & Immunology : Paper - I

Time : Hours]

[Total Marks : 70

**RA-1481
(Microbiology)**

Instruction :

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="P. G. D. M. L. T."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Microbiology & Immunology - 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="8"/> <input type="text" value="1"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="1"/>	
Student's Signature	

- 1 Which are the applications of molecular methods in clinical microbiology? Describe the principles of RFLP and its applications. 10
 - 2 Describe in detail the important contribution of following scientist in the field of medical technology : 10
 - (a) Lord Lister, Iwanowaski and Paul Ehrlich.
- OR**
- (a) Elie Metchinkoff, Widal and Landsteiner.
 - 3 Collection, preservation and processing of following clinical samples : 8

Sputum **or** CSF.
 - 4 Write short notes on any **three** of the following : 12
 - (a) Vibrio-clinical significance and characterization
 - (b) Medical important fungi and their characteristics
 - (c) Electrophoretic separation of nucleic acids
 - (d) LD50 - Determination and importance
 - (e) Disinfectants - Groups and characteristics.

RA-1482
(Immunology)

Instruction :

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- 1 List the various classes of immunoglobulins and describe in detail about IgG and IgM. 10
 - 2 Describe in detail about "T" cells. 10
- OR**
- 2 Describe three different types of vaccines currently in use and two newer approaches to vaccination. 10
 - 3 Write short notes : (any two) 10
 - (i) Hapten
 - (ii) Passive immunity
 - (iii) Type II hypersensitivity reaction
 - (iv) The Wasserman test.