



SD-3695

M. Sc. (Int. Biotech.) (Sem. V) Examination

April / May - 2011

IBT-505 : Immunology &  
Medical Microbiology

Time : 3 Hours]

[Total Marks : 70

Instruction : (1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
M. Sc. (Int. Biotech.) (Sem. V)

Name of the Subject :  
IBT-505 : Immunology & Medical Microbiology

Subject Code No. : 3 6 9 5 Section No. (1, 2,.....) : Nil

Seat No. :  
[ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

2. Figures to the right indicate full marks of the question.  
3. Draw neat and labeled diagrams whenever necessary.

1. Answer the following (any THREE) 18
1. Explain the mechanism of innate immunity to intracellular bacterial infections.
  2. Discuss in detail about viral mechanisms to evade host defense.
  3. Discuss in detail about immunity to fungal infections.
  4. Give an account of adaptive immunity to parasitic infections.
2. Discuss in detail about the following: (any THREE) 18
1. Differentiate between active and passive immunization.
  2. Give an account of impact of rDNA technology on vaccine production.
  3. Discuss about purified subunit vaccine.
  4. Discuss about killed whole cell vaccine.
3. Answer the following (any THREE) 18
1. Discuss in detail about defects in innate immunity.
  2. Give an account of defects in Wiscott Aldrich syndrome.
  3. Explain in detail about immune response to HIV.
  4. Explain about severe combined immunodeficiency.
4. Answer the following (any TWO) 16
1. Explain pathogenesis, diagnosis and treatment of enteric fever.
  2. Elaborate your views on superficial fungal infections.
  3. Discuss about pathogenesis, treatment and prophylaxis of *M. leprae*.