Instructions:

(1) Fill up strictly the details of signs on your answer book.

(2) Draw neat and labeled diagrams wherever necessary.

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

1. Answer as directed: 12
   
   (1) Explain – Interferon.
   
   (2) Describe in brief DI and TD antigen.
   
   (3) Give any two examples of live attenuated vaccine
   
   (4) Enlist the various T-lymphocyte.
   
   (5) What is antiserum?
   
   (6) Define: Immunity, Toxoid.

2. Answer any two of the followings: 14
   
   (1) Describe in brief basic structure of antibody.
   
   (2) Write a note on Ig A.
   
   (3) Explain in detail cells of immune system.

3. Answer any two of the followings: 14
   
   (1) Describe in brief chemical barrier of host defense.
   
   (2) Write a note on passive immunity.
   
   (3) Explain in detail specific defense mechanism.
4 Write short notes on: (Any two)  

(1) Immune response.  
(2) Individual immunity.  
(3) Secondary lymphoid tissue.  
(4) Antigen properties.