UNIT-I
1. a) Describe the physiology of autonomous nervous system.  
   b) Describe different genetic diseases associated with nervous  
      system. 
   OR
2. Write short notes on: 
   a) Blood brain barrier.  
   b) Physiology of eye.  
   c) Cholinergic drugs.

UNIT-II
3. a) Describe the mechanism of muscle contraction.  
   b) Comment on role of calcium in muscle contraction. 
   OR
4. Describe structure, properties and mechanism of action of insulin.  

UNIT-III
5. Describe various disorders associated with cardiovascular system.
OR

6. Write short notes on:
   a) Bronchodilators and mechanism of action
   b) Physiology of Respiratory system.
   c) Atherosclerosis

UNIT-IV

7. Describe various theories supporting antibody diversity.

OR

8. Write short notes on:
   a) Autoimmune diseases.
   b) Ig G
   c) Allergy

UNIT-V

9. Comment on different types of pencillin and their mode of action.

OR

10. Write short notes on:
    a) Malaria
    b) Tuberculosis
    c) Antiviral drugs