



7. \_\_\_\_\_ acid is secreted from parietal cells into the lumen where it establishes an extremely acidic environment. CO4- U  
 (a) Nitric (b) Hydrochloric (c) sulphuric (d) chloric
8. The \_\_\_\_\_ is the microscopic structural and functional unit of the kidney. CO4 -U  
 (a) capillary (b) epithelial (c) nephron (d) endothelial
9. Hinge, e.g. interphalangeal joints for \_\_\_\_\_ CO5- U  
 (a) fingers and toes (b) thumb (c) ankle (d) neck
10. Tactile is the act of \_\_\_\_\_ CO5- U  
 (a) hearing (b) touching (c) smelling (d) feeling

PART – B (5 x 2= 10Marks)

11. List the different types of cells CO1- U
12. Write the properties of cardiac muscle. CO2- U
13. Define reflex. CO3- U
15. Write the special thing in cartilage CO5- U
14. Write the functions of nephron CO4- U

PART – C (5 x 16= 80Marks)

16. (a) With neat sketch, describe the cell structure and its functions. CO1- App (16)  
 Or  
 (b) Explain the action potential in cell CO1- App (16)
17. (a) With neat sketch, explain the function of heart. CO2- App (16)  
 Or  
 (b) Discuss the mechanism of breathing. CO2- Ana (16)
18. (a) With neat sketch, explain the anatomy of brain. CO3 -APP (16)  
 Or  
 (b) Explain the sympathetic and parasympathetic nervous system. CO3- APP (16)
19. (a) With neat sketch, discuss the gastrointestinal tract. CO4- U (16)  
 Or  
 (b) Explain the mechanism of urine formation and acid base regulation CO4 -Ana (16)

20. (a) Explain the functions of skeletal system. CO5- U (16)  
Or  
(b) Describe the sensory organs in detail. CO5- U (16)

