23104690

QP CODE: 23104690

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Clinical Nutrition and Dietetics Model III

Complementary Course - CN1CMT02 - PHYSIOLOGY-HUMAN ANATOMY AND PHYSIOLOGY I

2017 Admission Onwards

6A13BFC0

Time: 3 Hours | Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is a cell?
2. What are the functions of lymphatic system?
3. What is interstitial fluid?
4. Write a note on hormones produced by adrenal medulla.
5. What is feed forward system?
6. What is the role of respiratory system to regulate acid base balance?
7. What is alkalosis?
8. What is root canal?
9. Write a note on hepatic circulation.
10. What is protein hunger?
11. Any four functions of kidney.
12. What is autoregulation?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Draw and label the diagram of squamous, ciliated and columnar tissues.
14. Give an account of adherens junction with diagram.
15. Write a note on homeostasis in lymphatic system.
16. What are significance of components of homeostasis?
17. How body control blood pressure in homeostatic level?
18. Give an account of structure and functions of tongue.
19. Write a note on digestion of carbohydrate and lipid.
20. Give an account of deglutition and its different phases.
21. Write a note on loop of Henle and collecting duct.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain cell signalling with diagrams.
23. Explain the significance of digestive, respiratory and urinary systems in homeostasis.
24. Explain the hormones and enzymes of the digestive system.
25. Explain the structure of urinary system and GFR.

(2×15=30)