



QP CODE: 24019456



24019456

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, MAY 2024**

**Second Semester**

B.Sc Clinical Nutrition and Dietetics Model III

**Complementary Course - CN2CMT04 - PHYSIOLOGY-HUMAN ANATOMY AND  
PHYSIOLOGY II**

2017 ADMISSION ONWARDS

493EBD62

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Leucocytosis.
2. Systemic circulation.
3. Arterial system.
4. Lymph.
5. Lymph nodes.
6. Thymus.
7. What is the role of physical barrier in innate immunity?
8. What is plasma cell?
9. What is antigen-antibody complex?
10. Write a note on epiglottis.
11. Effect of hormones in oxygen dissociation.
12. Relationship between lung compliance and surface tension.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Explain functions of plasma proteins.
14. Explain the functions of RBC.
15. Explain ABO blood group system.
16. Explain structure and function of lymphatic system.
17. Differentiate between active immunity and passive immunity.
18. Write a note on T lymphocytes.
19. What is meant by partial pressure and total pressure?
20. Give an account of internal respiration.
21. Elaborate the mechanism of carbon dioxide transport by erythrocytes.

(6×5=30)

### **Part C**

*Answer any **two** questions.*

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

22. Explain the composition of blood.
23. Explain the structure of heart with the help of a neat diagram.
24. What is hypersensitivity? Explain the classification of allergy.
25. Explain mechanisms of breathing.

(2×15=30)

