

TB252372F

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2020, 2021, 2022, 2023 ADMISSIONS SUPPLEMENTARY
SEMESTER II - COMPLEMENTARY COURSE 2 (PHYSIOLOGY)
ND2C04B20 - Human Anatomy and Physiology II

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Discuss on ABO blood group system.
2. State Landsteiner law.
3. Discuss the properties of blood.
4. Define tissue fluid.
5. Describe Edema.
6. Discuss on the organisation of lymphatic system.
7. Describe artificial passive immunity.
8. Write a note on tumor necrosis factor.
9. Enumerate the functions of cell-mediated immunity.
10. Write on tidal volume.
11. Define pleura.
12. Distinguish pulmonary and bronchial arteries.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Discuss on different types blood vessels.
14. Explain the structure of blood vessel with a neatly labelled diagram.
15. Illustrate and explain the structure of lymph nodes.
16. Write on lymphoid follicles.
17. Explain the structure of immunoglobulin with the help of a neat diagram.
18. Explain the functions of interleukins and defensins
19. Write a note on active acquired immunity.
20. Enumerate on the pathway of air through the respiratory system.
21. Write on defense mechanism by respiratory tract.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Diagrammatically represent and explain the structure of heart.
23. Elaborate on the applied physiology of oedema.
24. Discuss on T-cell immunity.
25. Differentiate between lung volume and lung capacities.