

TB242261R

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2023 ADMISSIONS REGULAR

SEMESTER II - Nutrition and Dietetics 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 systemic circulation.
2. Describe lymphocytes.
3. Discuss the properties of blood.
4. Interpret the factors affecting lymph flow.
5. Enumerate on functions of tissue fluids.
6. Write on thymus as a lymphoid organ.
7. Write a note on natural passive immunity.
8. Explain the humoral defence mechanism of innate immunity.
9. Discuss different types of cellular immune response.
10. List out the functions of nose.
11. Express the role of epiglottis.
12. Interpret on static compliance.

Part B

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

(6x5=30)

13. Explain the structure of blood vessel with a neatly labelled diagram.
14. Explain the intrinsic and extrinsic pathway of blood coagulation.
15. Explain the filtration process in formation of tissue fluid.
16. Write on causes of intracellular oedema.
17. Distinguish between active and passive immunity.
18. Distinguish between immunogens and immunoglobulins.
19. Explain the different ways by which antigens are disposed by antibodies.
20. Write on the manual methods of artificial ventilation.
21. Discuss on lung capacities.

Part C

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

(2x15=30)

22. Discuss mechanism of blood clotting.
23. Discuss different aspects related to tissue fluids
24. Explain cell mediated immunity.
25. Differentiate between lung volume and lung capacities.

