

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
NUTRITION & DIETETICS SEMESTER IV - COMPLEMENTARY COURSE 2
ND4C08B20 - Human Anatomy and Physiology IV

Time : 3 Hours

Maximum Marks : 80

Part A

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

(10x2=20)

1. Write a note on cochlear fluids.
2. Explain Meniere's disease.
3. Discuss the protective role of skin against UV rays.
4. Compare long and short bones.
5. Discuss on bone remodeling.
6. Comment on storage and hematopoiesis functions of bone.
7. Discuss the effect of cations on heart rate.
8. What is the effect of exercise on blood pressure?
9. Describe chemoreceptor.
10. Enumerate on heat stroke.
11. List out the symptoms of decompression sickness.
12. Define decompression sickness.

Part B

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

(6x5=30)

13. Discuss the physiology of equilibrium.
14. Discuss the physiology of vision.
15. Discuss about clavicle and scapula.
16. Enumerate on classification of joints.
17. Elaborate on structural classification of joints.
18. Discuss regulatory mechanism involved during decreased body temperature.
19. Explain the regulation of body temperature.
20. Discuss the cardiovascular adaptation to exercise.
21. Discuss about effect of heat on body.

Part C

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

(2x15=30)

22. Discuss diseases and disorders associated with ears.
23. Discuss on axial skeletal system.
24. Explain neuromuscular and respiratory adaptations to exercise.
25. Discuss the effect of cold and heat conditions in human body.