TB214640W Reg. No :.....

Name																
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B.Sc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement)
SEMESTER IV - COMPLEMENTARY COURSE 2 (NUTRITION AND DIETETICS)
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. Explain cataract.
- 2. Describe Eustachian tube.
- 3. Discuss the protective role of skin against UV rays.
- 4. Distinguish osteoblast and osteoclast.
- 5. Discuss on patella.
- 6. Comment on spongy bones.
- 7. Explain the changes in blood pressure during exercise.
- 8. Describe chemoreceptor.
- 9. Describe the changes in heart size and muscle size during exercise.
- 10. List out warning signs of heat exhaustion.
- 11. Describe on positive G-force.
- 12. Enumerate on heat exhaustion.

Part B

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

(6x5=30)

- 13. Describe dermis and its layers.
- 14. Discuss the physiology of equilibrium.
- 15. Explain factors affecting bone formation.
- 16. Discuss about clavicle and scapula.
- 17. Discuss the classifications of bones.
- 18. Explain cardiovascular adaptation to exercise.
- 19. Explain the hormones which increases the blood pressure.
- 20. Discuss chemical regulation as well as the other factors involved in the regulation of heart rate.
- 21. Elaborate on accommodation and acclimatization related to physiological changes in high altitude.

Part C

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

(2x15=30)

- 22. Explain diseases and disorders associated with eyes.
- 23. Discuss about different aspects of bones in human body.
- 24. Explain neuromuscular and cardiovascular adaptations during exercise.
- 25. Discuss the effect of cold and heat conditions in human body.