

TB213640V

Reg. No : .....

Name : .....

**B. Sc. DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2022**

(2021 Admissions Regular, 2020 Admissions Supplementary/Improvement, 2019 & 2018 Admissions Supplementary)

**SEMESTER III - COMPLEMENTARY COURSE 2 (NUTRITION AND DIETETICS)**

**ND3C06B20 - HUMAN ANATOMY AND PHYSIOLOGY III**

**Time : 3 Hours**

**Maximum Marks : 80**

**Part A**

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

**(10x2=20)**

1. Write on BNP secreted by heart.
2. What are corticosteroids?
3. What is exophthalmos?
4. Write on sertoli cells.
5. Brief on different kinds of enlargements in prostate gland.
6. What is meant by male climacteric?
7. Describe skeletal muscle.
8. Write a note on tropomyosin.
9. Distinguish between A band and I band.
10. Describe CSF.
11. Enumerate the functions of cerebrospinal fluid.
12. Classify nerve fibre based on its function and neurotransmitter secretion.

**Part B**

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

**(6x5=30)**

13. Illustrate on disorders due to hypo and hyper activity of anterior pituitary.
14. Discuss about calcitonin hormone.
15. What are the functions of progesterone?
16. Enumerate the gametogenic functions of testes.
17. Write about the process of fertilization.
18. Discuss on regulatory muscle proteins.
19. Describe the properties of muscles.
20. Discuss the centers of medulla oblongata.
21. Discuss the anatomy of nerve cell.

**Part C**

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

**(2x15=30)**

22. Explain the importance of pancreas based on its endocrine secretions.
23. Discuss about the changes in ovaries and uterus during menstrual cycle.
24. Explain the biochemical events in muscular contraction.
25. Explain the parts and functions of brain stem.