

TB205460V

Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022**  
**2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY**  
**SEMESTER V - OPEN COURSE (ZOOLOGY)**  
**ZY5D01AB18 - HUMAN GENETICS, NUTRITION AND PUBLIC HEALTH**

Time : 3 Hours

Maximum Marks : 80

**Part A**

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

**(10x2=20)**

1. What are the different levels of action for Community health promotion?
2. List the dimensions of health.
3. Distinguish between BMI and BMR.
4. Recall any two water soluble vitamins.
5. Comment on the types of cardiovascular disorders.
6. Discuss on A) Hatha Yoga B) Raja Yoga.
7. Elaborate on the different methods used in mechanical treatment of waste water.
8. Define zoogeal slime.
9. Expand SARS and DHF.
10. Give the common name of A) Influenza H5N1 B) Influenza A H1N1.
11. Write two examples for X-linked disorder.
12. What is genetic counselling?

**Part B**

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

**(6x5=30)**

13. Explain the short term and long term effects of exercise on muscular system.
14. Starvation and overeating can lead to obesity. Justify with reference to balanced diet.
15. Write an essay on the measures of nutritional status of an individual and obesity.
16. Write notes on cardiovascular diseases, causes and prevention.
17. Write an account on the objectives and benefits of yoga for a better living.
18. Comment on various disinfection methods.
19. Distinguish between MF technique and Standard plate count.
20. Comment on anthrax and its types.
21. Describe Fetoscopy and Chorionic villus sampling.

**Part C**

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

**(2x15=30)**

22. Explain briefly the effect of exercise on the five body systems.
23. Write a detailed account on vitamins, their sources and deficiency disorders.
24. Write an essay on Re-emerging diseases and its preventive measures.
25. Give a detailed account on any four genetic disorders in man.