

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024****2022 ADMISSIONS REGULAR****SEMESTER V - OPEN COURSE****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. Define MET.
2. Why are training centers for athletes situated at high altitudes?
3. Name the disease caused by deficiency of Vitamin D and B3.
4. Name any two fat soluble vitamins.
5. Write on the first aid measures for electric shock.
6. Name the A) Yoga of mind B) Yoga of rituals.
7. Describe the scientific parameters used to determine water quality.
8. Define zoogeal slime.
9. List two water borne and two food borne diseases.
10. Write down the symptoms and treatment of Chickungunya.
11. Comment on normal chromosomal complement in human.
12. Comment on Eugenics.

**Part B****II. Answer any Six questions. Each question carries 5 marks****(6x5=30)**

13. Write a note on the different types of drugs and its effects on the body.
14. Explain caloric intake and expenditure and energy requirements for an individual.
15. Discuss on minerals and its implications on health?
16. Elaborate on health and safety at work.
17. Elaborate on the branches of yoga.
18. Comment on various disinfection methods.
19. Distinguish between Slow sand filtration and Rapid sand filtration.
20. Elaborate on zoonotic diseases with one example each.
21. Describe Fetoscopy and Chorionic villus sampling.

**Part C****III. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

22. Define health and explain the dimensions and the determinants of health.
23. Write an essay on water purification techniques.
24. Explain in detail about any four emerging diseases.
25. Give a detailed account on any four genetic disorders in man.