

B. SC. DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019**(2016 Admission Supplementary)****SEMESTER V - OPEN COURSE (ZOOLOGY)****ZY5D01BTB - HUMAN GENETICS, NUTRITION, COMMUNITY HEALTH AND****Time : 3 Hours****SANITATION****Maximum Marks : 80****Part A****I. Answer all questions. Each question carries 1 marks****(6x1=6)**

1. Identify the syndrome 1) 44+XXY 2) 44+ XO.
2. Write an example for Y- linked disorder.
3. Name the Vitamin for blood coagulation.
4. Name any two water soluble vitamins
5. Name any 2 bio indicators.
6. Define BOD.

Part B**II. Answer any Seven questions. Each question carries 2 marks****(7x2=14)**

7. Write briefly on the symptoms of Down syndrome.
8. Comment on Y-linked disorders.
9. What are the different types of Exercise based on its overall effect on human body?
10. Comment on the preventive measures of cardiovascular disorders.
11. List the dimensions of health.
12. Write notes on the 3 E principles of accident prevention.
13. What are the different types of Anthrax?
14. Write notes on E. coli bacteria.
15. Enumerate the preventive measures of Leptospirosis.
16. What is the difference between emerging and re-emerging diseases?

Part C**III. Answer any Five questions. Each question carries 6 marks****(5x6=30)**

17. Explain single gene mutation disorder and Polygenic disorders with suitable examples.
18. Comment on human infertility and causes of female infertility.
19. Write notes on health and safety at work.
20. Comment on Diabetes mellitus
21. Write a note on Balanced diet, Malnutrition and deficiency disorders.
22. Explain major water borne diseases.
23. What are the structural and biochemical changes observed in the cancer cells.
24. Comment on the potable water quality monitoring.

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

25. Explain in detail any six genetic disorders in man.
26. Explain the effect of exercise on any 4 body systems.
27. Write an essay on waste water treatment and its disposal.
28. Explain in detail about any 4 emerging diseases.