

**UNDERGRADUATE END SEMESTER EXAMINATION : OCTOBER 2022**  
**SEMESTER 5 : ZOOLOGY (OPEN COURSE)**  
**COURSE : 19U50CZOO01 : HUMAN GENETICS, NUTRITION, COMMUNITY HEALTH AND**  
**SANITATION**

*(For Regular - 2020 Admission and Supplementary - 2019 Admission)*

Time : Three Hours

Max. Marks: 75

**PART A**

**Answer All (1 mark each)**

1. Comment about ORS
2. Which bacterium causes Botulism?
3. Define tantra yoga
4. Name the most common CVD
5. Father of Genetics.
6. Which blood group is considered as universal recipient?
7. What is meningitis?
8. List the major dimensions of health?
9. If an individual's father and mother has 'O' blood group, what would be the individual's blood group?
10. What does the word SMS designate for a disease?

**(1 x 10 = 10)**

**PART B**

**Answer any 8 (2 marks each)**

11. Explain the mode of transmission of TB
12. Name the antigens and antibodies in person with blood group O.
13. Differentiate Latent and Active TB
14. Name two sex chromosomal anomalies
15. Comment on endometriosis
16. List out the preventive measures for lifestyle diseases
17. Write an essay on different dimensions of health.
18. Comment on PEM?
19. Comment on Salmonellosis
20. Evaluate the effects of exercise in muscular system?

**(2 x 8 = 16)**

**PART C**

**Answer any 5 (5 marks each)**

21. Briefly explain Human Genome Project and its benefits.
22. Write an account about food born diseases?
23. What are the ill effects of alcohol abuse on the human body?
24. What are oncogenes? Reflect on the morphological properties of the cancer cells

25. What is swine flu? Explain the mode of transmission and symptoms of swine flu
26. Give an account on vitamins.
27. Define chromosomal anomalies, illustrate using Down syndrome and Cri-du-chat syndrome.

**(5 x 5 = 25)**

**PART D**

**Answer any 2 (12 marks each)**

28. What are vector borne diseases? Explain with examples and their control measures?
29. Evaluate the role of diet in cancer. Discuss the lifestyle strategies to prevent cancer
30. Explain infertility and its causes in males and females.
31. Explain ABO and Rh blood group system and its inheritance

**(12 x 2 = 24)**