

UNDERGRADUATE END SEMESTER EXAMINATION - OCTOBER 2025**SEMESTER 5 : ZOOLOGY (OPEN COURSE)****COURSE : 19U5OCZOO1 : HUMAN GENETICS, NUTRITION, COMMUNITY HEALTH AND
SANITATION***(For Regular 2023 Admission and Supplementary 2022/ 2021/ 2020/ 2019 Admissions)*

Time : Three Hours

Max. Marks: 75

PART A**Answer any All (1 mark each)**

1. Expand ORS.
2. What is coronary artery?
3. Define Health.
4. illustrate the Global Recommendations of physical activity of children aged 5-17 years?
5. If an individual's father and mother has 'O' blood group, what would be the individual's blood group?
6. Define genetics.
7. Remember any two zoonotic diseases.
8. Compare Trickling Filters and Oxidation pond.
9. Name the causative agent of the swine flu.
10. If an individual's mother has AB blood group and father has O blood group, then what are the possible blood groups of the individual?

(1 x 10 = 10)**PART B****Answer any 8 (2 marks each)**

11. Name the antigens and antibodies in person with blood group O.
12. Discuss the Primary treatment of waste water.
13. How the platelet count is decreased in dengue fever?
14. List out four main causes of male infertility.
15. Comment on chorionic villi sampling.
16. Comment on psychoneuroimmunology.
17. Differentiate between emerging and reemerging diseases with examples.
18. Comment on PEM?
19. Explain coronary artery disease? Mention its after effects.
20. Comment about lifestyle diseases?

(2 x 8 = 16)**PART C****Answer any 5 (5 marks each)**

21. Briefly explain the sex chromosomal anomalies.
22. What is swine flu? Explain the mode of transmission and symptoms of swine flu.
23. What is carcinogen? Discuss on the causes of the cancer.
24. Describe Obesity, its causes and preventive measures.
25. Enumerate the different types of yoga.

26. List out the benefits of blood donation. Comment on blood transfusion.
27. Write an account on the food borne diseases.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Discuss the causes and consequences of a haemorrhagic stroke. Explain the preventive and treatment measures for the disease.
29. Explain ABO and Rh blood group system and its inheritance.
30. Give an account on vitamins, their sources, importance and deficiency diseases.
31. Covid 19 is both an epidemic and pandemic. Elucidate the statement focusing on the pathological and clinical aspects of the disease.

(12 x 2 = 24)