

Reg No:.....

K24FY1266

Name :.....

First Semester FYUGP Zoology and CB Examination

NOVEMBER 2024 (2024 Admission onwards)

KU1MDCZCB101 (NUTRITION AND

NEUTRACEUTICALS)

(DATE OF EXAM: 29-11-2024)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. List 4 plant source of proteins. 2
2. Define nutraceuticals. 2
3. What is Daily Energy Expenditure (DEE)? 2
4. What is the significance of BMI in assessing body weight? 2
5. Name some vitamin deficiencies and its associated disease. 2
6. What is goitre, and which mineral deficiency is primarily associated with it? 2
7. What is the key function of antioxidants in the body? 2
8. What are lifestyle diseases? 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Elucidate major macronutrients and their functions. 6
10. Illustrate the various categories of nutraceuticals. 6
11. Evaluate the significance of BMR 6
12. How can long-term exposure to xenobiotics affect human health and aquatic environment. 6
13. Highlight the causes, symptoms, and management options for anaemia and rickets, highlighting the specific vitamins associated with each condition 6
14. Discuss the causes, symptoms, and health implications of obesity. 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Generalize the significance of phytochemicals and antioxidants in the prevention of chronic diseases. 14
16. Organize an essay that explores the definition of malnutrition, examines its causes and discuss its various types 14