

B.SC. DEGREE EXAMINATION, APRIL 2018

II YEAR III SEMESTER

Core Major - Paper VI - NUTRITION - I

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20marks$)

Answer any **TEN** questions

1. What is malnutrition?
2. Define Health?
3. What is the principles used for bomb calorimeter?
4. What are the factors affecting basal metabolic rate?
5. What are the conditions associated with a lack of dietary fibre?
6. List out the classifications of CHO?
7. Give the sources of EFA?
8. Mention the functions of lipids?
9. Give the nutritional classifications of Amino acid?
10. What are the clinical features of Kwashiorkor and Marasmus?
11. Give the RDA for energy for pregnant and lactating mother?
12. Draw the viscous cycle of poverty?

Section B ($5 \times 5 = 25marks$)

Answer any **FIVE** questions

13. Write short notes on the interrelationship between nutrition and health?
14. How do you measure basal metabolic rate in direct and indirect calorimeter?
15. Explain the classification of carbohydrates?
16. Explain the role of cholesterol in the body?
17. Give the ICMR Recommended Dietary Allowances protein for different age group?
18. Write a brief notes on clinical features of PEM?
19. Enumerate the nutritional classification of protein?

Section C ($3 \times 10 = 30marks$)

Answer any **THREE** questions

20. Discuss the ecological or environmental factors of malnutrition among preschool children?
21. How do you determine the energy value of food? Explain the principle and draw the diagram of the instrument used?
22. What are the physiological effects of fibre? Explain the role of fibre in human nutrition?
23. Enumerate the classifications of lipids?
24. Explain the term 'quality of protein'. Discuss any three methods of quality of protein?