

B.Sc. DEGREE EXAMINATION, APRIL 2020
I Year II Semester
Nutrition - I

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Define Malnutrition.
2. Classify Nutrients.
3. Respiratory quotient.
4. Define PAL.
5. Differentiate between Soluble and Insoluble fiber.
6. List any four good sources of dietary fiber.
7. What is MUFA?
8. Give any two functions of EFA.
9. List the dispensable and indispensable amino acids.
10. Define Chemical score of protein.
11. Define Phospholipids.
12. Define Reference Man.

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

Answer any **FIVE** questions

13. Differentiate under nutrition and over nutrition.
14. Define BMR and explain the factors affecting BMR.
15. Classify carbohydrates with examples.
16. Briefly explain the characteristics of animal and vegetable fats.
17. Differentiate kwashiorkor and marasmus.
18. Write a note on EFA deficiency.
19. Write a note on the importance of mutual supplementation of protein.

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

Answer any **THREE** questions

20. Elaborately explain the interrelationship of nutrition and health.
21. Determine energy requirement using direct calorimetry.
22. Explain the role of dietary fiber in health and prevention of disease.
23. Give a detailed note on digestion and absorption of fats.
24. How do you determine the quality of protein by PER and BV?

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