

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2018**  
**II Year III Semester**  
**Core Major - Paper V**  
**NUTRITION - I**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Define malnutrition.
2. Write a note on Nutrients.
3. What is a kilocalory.
4. Write about the Physical activity level.
5. What are Polysaccharides?
6. What are probiotics and Prebiotics.
7. Give a note on EFA.
8. Comment on "Ketone bodies".
9. Define Marasmic Kwashiokar.
10. What about Chemical score.
11. What is meant by Reference women?
12. What are Non-essential Amino acids.

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

Answer any **FIVE** questions

13. Write a brief note on history of Nutrition with note about the development of Nutrition as a science.
14. Draw the diagram of Bomb calorimeter and label its parts.
15. Give a note on digestion and absorption of carbohydrates.
16. Classify lipids.
17. Differentiate Kwashiokar and Marasmus.
18. Write a note on Mutual supplementation of proteins.
19. Explain the Relationship between Respiratory Quotient and Specific Dynamic action of foods.

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

Answer any **THREE** questions

20. Elaborately explain the interrelationship between nutrition and health.
21. Write a detailed note on BMR and factors affecting it.
22. Describe the role of dietary fiber in human nutrition.
23. Explain the role of dietary lipids and its relation to the causation of atherosclerosis and Ischaemic heart disease.
24. How do you evaluate the quality of protein by PER, BV, NPU and NPR method?

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