



Department of Food Technology
School of Interdisciplinary Sciences and Technology
Jamia Hamdard, New Delhi-110062

Roll No.....

END SEM EXAMINATION
M.Sc. Nutrition and Dietetics, May, 2024.

Paper Title: Human Nutrition Requirement; Paper Code: MDNCC-203

2024.
MSc
& 2nd sem.

Time allotted: 3Hrs.

Max Marks: 60

Important: At the END, mention how many questions from each section you have attempted.

Note: Write to the point. Do not insert margins in the answer sheet. Before answering make sure you have mentioned the Question No. & Section. No continuation sheets will be provided.

Section-A (2 Marks each, Attempt All)

Questions

- Q1. Define BV and NPU
- Q2. Define resistant starches and list its types
- Q3. Write a note on blended oils
- Q4. Define the role of buffers in maintaining pH of the blood
- Q5. Write a note on Vitamin E and K

Mapping

PO:2,3/CO:1
PO:2,3/CO:2
PO:2,3/CO:3
PO:2,3/CO:4
PO:2,3/CO:5

Section- B (Attempt any 5)

(5 Marks Each)

- Q6. Explain the mechanism for maintaining electrolyte balance in the body PO:2,3/CO:1
- Q7. List two conditions arising due to energy imbalance. What are the consequences of these conditions? PO:2,3/CO:2
- Q8. Write in detail about WHO classification of Vitamin A deficiency PO:2,3/CO:3
- Q9. Discuss the role of Iron and Calcium in human body with its deficiency diseases and factors affecting their absorption. PO:2,3/CO:2
- Q10. Explain different methods of Anthropometric assessment of nutritional status
- Q11. Define body composition? What are the used for measuring body composition PO:2,3/CO:4
- Q12. Differentiate between soluble and insoluble fibre, also write the importance of dietary fibre in human health. PO:2,3/CO:3

Section C (Attempt any 2) (12.5 Marks Each)

- Q13. Discuss in detail methods for protein quality evaluation PO:2,3 /CO:1
- Q14. Write in detail methods of estimating energy expenditure and requirements PO:2,3 /CO:2
- Q15. Explain in detail methods for assessment of nutritional status PO:2,3 /CO:3
- Q16. Explain classification, functions and digestion of lipids PO:2,3 /CO:4