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B.M.S COLLEGE FOR WOMEN
BENGALURU – 560004

I SEMESTER END EXAMINATION – JAN/FEB-2024

B.Sc.-CND: ESSENTIALS OF MACRONUTRIENTS
(NEP Scheme 2022-23 onwards)

Course Code: CND1DSC02

Duration: 2 ½ Hours

QP Code:1042

Max. Marks:60

Instructions: All parts are compulsory

PART - A

I. Answer any four of the following

(4×2=8)

1. What are Essential amino acids?
2. Classify Carbohydrates.
3. What are Trans- fatty acids?
4. Write a note on SFA.
5. What is PER?
6. Define Dietary Fibre. Give examples.

PART - B

II. Answer any four of the following

(4×5=20)

7. Discuss the functions of Carbohydrates.
8. Explain the benefits of Fibre in diet.
9. Write about the dietary guidelines of fat. Briefly explain fat deficiency.
10. Write the functions of Protein.
11. Differentiate between Kwashiorkor and Marasmus.
12. Discuss the digestion of Fats in our digestive system.

PART - C

III. Answer any four of the following

(4×8=32)

13. Discuss the National and International guidelines for Visible and Invisible fats.
14. A) Classify lipids
B) Differentiate between MUFA and PUFA.
15. Discuss the chemical composition and physiological significance of Oligosaccharides.
16. Explain in detail any two methods of Assessing Protein Quality.
17. A) Write a note on Resistant starch.
B) Briefly explain the physiological significance of Oligosaccharides.
18. Write in detail about the digestion and absorption of Proteins.
