## STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 86 (For candidates admitted during the academic year 2019-20 & thereafter)

**SUBJECT CODE: 19CH/PE/FN23** 

## M. Sc. DEGREE EXAMINATION, APRIL 2021 BRANCH IV- CHEMISTRY SECOND SEMESTER

COI	URSE: ELECTIVE
PAP TIM	
1 117	SECTION A
An	swer All Questions (11 X 1 = 11 marks)
I	Choose the correct answer
1.	The definition of calorie is a) Heat needed to raise temperature of 1 gram of water 1°C b) 1/10 of a pound c) heat needed to raise 1 pound of organism 1°C d) none of the above
2.	Which of the following is not true about dietary fats?  a) They are present in cell membranes c) they help the body absorb calcium  b) they absorb fat-soluble vitamins d) they help in making hormones
3.	Dairy products, salmon, and tofu are all good sources of a) Potassium b) Zinc c) Calcium d) carbohydrates
4.	Foods such as fruit, honey, and sugar cane are all good examples of a) nutrients b) sugars c) vitamins d) hypoglycemics
II	Fill in the blanks
5. 6. 7. 8.	Marasmus is caused by Kwashiorkor is due to the deficiency of  Fish Liver oil is rich in reduces the BMR
III	Answer in a line or two
9.	Differentiate between visceral and subcutaneous fat.
10.	Define Glycemic index.
11.	What is Protein Energy Malnutrition?

## **SECTION B**

Answer any three questions (3		l marks)
12. 13. 14.	Explain the significance of the food guide and how is it used?  How are dietary fats related to coronary heart diseases?  Give a detailed account on the sources, chemical classification and functions of lipids.	(8) (8) (8)
15.	Discuss the functions and deficiency symptoms of fat soluble vitamins.	(8)
	SECTION C	
Answer any one question (15 X1 =15 marl		
16 a)	Give a detailed explanation of Recommended Dietary Allowances (RDA) and its significance for different nutrients.	(8)
b)	What are the significant functions of Food and Nutrition Board in combatting Malnutrition?	(7)
17 a)	What are the dietary sources of phosphorous and explain their functions in our body?	(7)
b)	Elaborate on the sources, classification and the significant functions of protein.	(8)

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