M.A./M.Com./M. Sc. DEGREE EXAMINATION, APRIL 2024
SECOND SEMESTER

COURSE   : **ELECTIVE**
PAPER   : **FOOD CHEMISTRY AND NUTRITION**
SUBJECT CODE   : **23CH/PE/FN23**
TIME   : **3 HOURS**   **MAX. MARKS: 100**

Q. No.	SECTION A (10 x 1 = 10 marks) Answer ALL Questions	CO	KL
1	What are the functions of food labels?	1	1
2	Define nutrients.	1	1
3	Differentiate SFA and USFA.	1	1
4	Mention any functions of dietary fiber	1	1
5	List any functions of folic acids.	1	1
6	Which foods are rich in phosphorus?	1	1
7	Define high biological value proteins.	1	1
8	What is PEM?	1	1
9	Mention any activities of special nutrition programme.	1	1
10	What is the role of WHO in combating malnutrition?	1	1

Q. No.	SECTION – B (10 x 1 = 10 marks) Answer ALL Questions	CO	KL
11	RDA stands for a) Recommended dietary allowance b) Recommended daily allowance c) Reserved dietary allowance d) None of the above	2	2
12	What is the storage form of carbohydrates in humans? a) Glucose b) Starch c) Glycogen d) Sugars	2	2
13	Which is the good source of iodine? a) Fruits b) vegetables c) salt d) iodized salt	2	2

14	-------------- is not a good source of protein. a) Egg b) Milk c) Vegetables d) pulses	2	2
15	FAO stands for a) Food and agricultural origin b) Food and Agricultural organization c) Feed and Agricultural organization d) Feed and Agricultural origin	2	2
16	BMR ……………… during pregnancy a) Stable b) Increases c) Decreases d) fluctuates	2	2
17	------------------ contains medium chain triglycerides. a) Olive oil b) Sesame oil c) Palm oil d) Coconut oil	2	2
18	These vitamins are lost during cooking. a) A&D b) A&E c) A&B d) B&C	2	2
19	Proteins are called …………………….. foods a) Energy giving b) Body building c) Essential d) protective	2	2
20	Food and nutrition board is under a) Mid-day meal scheme b) UNICEF c) ICDS d) Child Development Bureau	2	2

Q. No.	SECTION C (4 x 6 = 24 marks) ANSWER ANY FOUR QUESTIONS	CO	KL
21	Define BMR and explain the factors affecting it.	3	3

22	Give an outline on glycemic index.	3	3
23	Relate iron and anaemia.	3	3
24	Classify proteins.	3	3
25	Explain the role of ICMR	3	3

Q. No.	SECTION – D (4 x 8 = 32 marks) ANSWER ANY FOUR QUESTIONS	CO	KL
26	Compare food plate with food pyramid.	4	4
27	List the functions of essential fatty acids.	4	4
28	Explain the relationship between vitamin A and vision.	4	4
29	Highlight the various steps taken to prevent PEM in India.	4	4
30	Discuss the activities of United Nations Children's Fund.	4	4

Q. No.	SECTION – E (2 x 12 = 24 marks) ANSWER ALL QUESTIONS	CO	KL
31 a 31 b	Discuss the interrelationship between Nutrition and Health. (or) Give a detailed note on artificial sweeteners	5	5
32 a 32 b	Discuss calcium under the following heads: a) Source b) Functions c) Deficiency d) RDA (or) Highlight the importance of Nutrition education method to tool to create awareness during outbreaks.	5	5

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