

S.NO: 22N1- UBI

Course Code: BBS3

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

B.Sc (Biochemistry) Degree Examination

V Semester – November – 2022

SBE III – FOOD AND NUTRITION

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer **ALL** the Questions

1. List out the sources of food.
2. Define food additives with two examples.
3. State energy with its units.
4. List out any two sources and daily requirements of proteins.
5. What is BMR?
6. Define malnutrition.
7. Write any two symptoms of hyper vitaminosis A.
8. Define Diet chart. Write its significance.
9. What is diet therapy?
10. Mention any two causes of allergy.

Section –B

5X5=25

Answer **ALL** the Questions

11. a) Summarize the composition of food.

(or)

b) Write the working principle of Bomb calorimeter with neat diagram.

12. a) State the five factors which influencing the BMR.

(or)

b) Write about dietary fiber.

13. a) Illustrate two sources and three metabolic functions of Vitamin A.

(or)

b) How does the body maintain water and electrolyte balance?

14. a) Describe any five nutritional requirements for pregnant women.

(or)

b) Write about the menu planning for adolescents.

15. a) Give notes on diet therapy.

(or)

b) List the diet plan for diabetes mellitus patients.

Section -C

3 X 10 = 30

Answer any **THREE** Questions

16. Describe in details about the classification of food.
17. Write any five biological significances of carbohydrate.
18. Analyze the sources and two metabolic functions of vitamin B complex.
19. Explain the nutritional requirements for infant and children.
20. Define Anemia. Discuss the causes, symptoms and diet therapy for it.

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