

**ANNAI VIOLET ARTS AND SCIENCE COLLEGE  
DEPARTMENT OF BIOCHEMISTRY**

**CONTINUOUS INTERNAL ASSESSMENT – II (ODD SEM.)  
SUBJECT : NUTRITIONAL BIOCHEMISTRY**

**Class :I BSc Biochemistry**

**Date : 1.11.22**

**Max.Marks : 75**

**Sub. Code:SB21A**

**PART A (10 × 2 = 20 Marks)**

**Answer any TEN questions**

1. Give the calorific value of food stuffs?
2. What is meant by “body building foods”?
3. Define nutrition
4. What is known as NPU?
5. What is called as DC?
6. How to calculating the Biological value of the foods?
7. Which is referred as “ anti-egg white injury” why?
8. What are the deficiency symptoms of riboflavin
9. Highlight the importance of thiamin.
10. What is Beri Beri
11. What is called anthropometric measurement?
12. Define balanced diet?

**PART B – (5 × 5 = 25 Marks)**

**Answer any FIVE questions**

13. What is SDA and its mechanism?
14. Define RQ and Factors affecting RQ?
15. Nutritional classification of food stuffs?
16. Describe the sources, requirements , metabolic functions and deficiency symptoms of Vitamin K?
17. Write the nutritional significance of lipids.
18. Discuss about the physiological functions and deficiency symptoms of Vitamin C?
19. Brief the importance of balanced diet in elderly people and adult

**PART C – (3 × 10 = 30 Marks)**

**Answer ANY THREE questions**

20. Describe a Bomb calorimeter? Compare the heat of combustion of the major food sources and physiological energy value of food sources
21. What are Protein energy malnutrition and explain the effects of it in children?
22. Obesity and its types?
23. What is BMR? List out the various factors of BMR and explain how it can be measured?
24. Describe the sources, requirements , metabolic functions and deficiency symptoms of Vitamin A and D?