



QP CODE: 26019068



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026
Fourth Semester
M Sc BIOCHEMISTRY
ELECTIVE - BC800402 - NUTRITIONAL BIOCHEMISTRY

2019 Admission Onwards

3C43364C

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is Miester Cycle? Give its significance.
2. What are lipids? Add a note on recommended intake of lipids.
3. What is energy balance in the body ?
4. What are the importance of water soluble vitamins in nutrition ?
5. What is Iron deficiency anemia?
6. What are the charecteristics of a child with fetal alcoholic syndrome?
7. Give details of dietary management of stress.
8. Give an outline on the type of Diabetes mellitus and its nutritional management.
9. Explain the process of dialysis and nutrition during dialysis.
10. Recall liver cirrhosis and its nutritional management

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. What are the direct and indirect methods for assessing nutritional status?
12. Analyse the substances that are used as sugar alternatives. Explain with examples.
13. Describe the dietary signifiance of essential minerals.
14. Describe the nutritional role and dietary sources of calcium.





15. Discuss the importance of food choices and health habits of adolescence.
16. Discuss about therapeutic nutrition.
17. Describe the risk factors, prevention and dietary management of Atherosclerosis.
18. Elaborate on the nutrition related factors that influence cancer risk.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Evaluate the importance of protein in diet. Add a note on recommended intake of protein in diet.
20. Elaborate the term body weight management and health. How obesity is become a major health problem?
21. Explain in detail various nutritional disorders of GI Tract and the dietary management.
22. Describe the major consequences and the dietary modifications recommended for nephrotic syndrome.

(2×5=10 weightage)

