



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 2nd Semester Examination, 2021

CC4-PHYSIOLOGY

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Attempt any two from the following

20×2 = 40

1. (a) State the structural characteristics of tRNA. 4
- (b) Describe the biochemical steps involved in glycogenesis. 6
- (c) Discuss the steps involved in the biosynthesis of urea in the human body. 6
- (d) What is Rapoport-Luebering cycle? 4

2. (a) What do you mean by saturated and unsaturated fatty acids? 5
- (b) Describe the process of beta oxidation of an even number carbon containing saturated fatty acid. 10
- (c) Define deamination and transamination. 5

3. Describe de-novo synthesis of saturated long chain fatty acid and its regulation. 20

4. (a) Briefly discuss Ramchandran plot. 10
- (b) What is quaternary structure of proteins? Mention the role of various bond in its structure with the help of an example give its biochemical function. 2+8

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