



'সমানো মন্ত্র: সমিতি: সমানী'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 4th Semester Examination, 2023

**CC8-PHYSIOLOGY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**GROUP-A**

1. Answer any **five** questions from the following: 1×5 = 5
- (a) How many ATP molecules are gained during aerobic respiration?
  - (b) Write some sources of iron.
  - (c) What is balanced diet?
  - (d) Due to accumulation of which mineral, Primary hemochromatosis occur?
  - (e) How much percentage of total calories supplied by fat?
  - (f) What is RDA?
  - (g) Write the daily requirement of Vitamin K in adult.
  - (h) What is the RQ value for tripalmitin?
  - (i) Name the vitamin that protects us from Pellagra disease.
  - (j) What is digestibility coefficient?

**GROUP-B**

**Answer any three questions from the following** 5×3 = 15

- 2. Discuss the role of minerals on constituents of bones and teeth. 5
- 3. Write a note on SDA. 5
- 4. Describe the nutritional value of vegetable oils and hydrogenated vegetable fats.  $2\frac{1}{2}+2\frac{1}{2}$
- 5. Explain the problems on high dietary intake of fibres. 5
- 6. Discuss the symptoms due to hypervitaminosis E. 5

**GROUP-C**

**Answer any two questions from the following** 10×2 = 20

- 7. Describe the sources, function and deficiency of tocopherol. 2+4+4
- 8. Prepare a balanced diet chart for growing child and pregnant woman. 5+5
- 9. Explain the importance of carbohydrate, fat and protein. 3+3+4
- 10. Write a note on ACU and PCM. 5+5

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