

THE UNIVERSITY OF BURDWAN
B.Sc. (Honours) Semester-I Examination (CBCS): 2021
Subject: Nutrition
Course Code: CC 1
Course Title: Nutritional Physiology-I

The figures in the right hand margin indicate full marks

Candidates are required to give their answers in their own words as far as practicable.

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer scripts within 30 minutes after the completion of examination

F.M.–40

Time: 2hrs

Answer any eight questions of the following:

5×8=40

1. Discuss the anatomical structure of respiratory membrane with a neat diagram.
2. Give a brief account on 'Fluid-mosaic model' of plasma membrane.
3. Briefly describe how fat is absorbed in the small intestine after digestion.
4. What do you mean by 'acclimatization' and 'hypoxia'?
5. Briefly describe transport of CO₂ from tissues to lung with schematic diagram.
6. How and when the 'First heart sound' is produced in a cardiac cycle? Explain.
7. Write a short note on different types of granulocytes present in our blood.
8. What is blood pressure? List the physiological factors that affect the blood pressure.
9. Distinguish between smooth and striated muscles. State the role of Ca⁺⁺ in muscle contraction.
10. What is blood coagulation? Why determination of blood group is essential before blood transfusion?
