

THE UNIVERSITY OF BURDWAN
B.Sc. (Honours) Semester - I Examination (CBCS): 2020
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. With a neat diagram describe the different phases of cardiac cycle.
2. State in brief the fluid mosaic model of plasma membrane structure. State two differences between a prokaryotic and eukaryotic cell.
3. Discuss in brief about the process of digestion of carbohydrate in different parts of our digestive tract.
4. How oxygen is transported from the lung to the tissues? Give schematic diagram.
5. Elucidate briefly about the stages of erythropoiesis with diagram.
6. “Secondary active transport is dependent on primary active transport”- Justify the statement.
7. How lipid is absorbed in the intestine? State the role of bile in lipid digestion.
8. Discuss in brief the factors regulating the arterial blood pressure.
9. Discuss the ABO blood group system. Write the importance of Rh factor in pregnancy.
10. State the functional and structural properties of cardiac muscle with diagram.
