



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2021

CC5-PHYSIOLOGY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Attempt any **five** question from the following: 1×5 = 5
 - (a) Write down the importances of MCV.
 - (b) Write two major symptoms of Purpura.
 - (c) Name two lymph proteins.
 - (d) What is plasma Thromboplastin Antecedent?
 - (e) What is minor cross matching?
 - (f) What is MCHC?
 - (g) What is Carbohemoglobin?
 - (h) Write down the chemical composition of Agglutinin.
 - (i) What is hemophilia C?
 - (j) Mention the role of vitamin C in maintenance of blood volume.

2. Attempt any **three** questions from the following: 5×3 = 15
 - (a) Discuss the histology of spleen.
 - (b) Classify Thalasemia on the basis of fatal effect.
 - (c) Write down the features of agranulocytes.
 - (d) Write a note on factor V and Factor X.
 - (e) Discuss the histological structure of Platelets.

3. Attempt any **two** questions from the following: 10×2 = 20
 - (a) Describe categorically different plasma proteins and their role in the body.
 - (b) Write down the comparative study among different blood cells on the basis of histology and functions.
 - (c) Discuss different immune activities of blood.
 - (d) Write down the causes along with the mechanism of action, symptoms and prevention of leukemia.

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