



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2021

SEC1-P1-PHYSIOLOGY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

GROUP-A

Answer any one from the following

20×1 = 20

1. (a) Describe the causes, symptoms, types and prevention of diabetes mellitus. 3+4+3+4
- (b) Write a short note on Autoanalyzers. 6

2. (a) Briefly describe the pathophysiological significance of the following blood constituents: $2\frac{1}{2} \times 4 = 10$
(i) Acid phosphatase (ii) Alkaline phosphatase (iii) SGPT (iv) SGOT
- (b) Write a short note on disorders of carbohydrate metabolism. 10

GROUP-B

Answer any one from the following

20×1 = 20

3. (a) Give an idea about semen analysis. What is the significance of CSF analysis? 6+4 = 10
- (b) How are isotopes used for diagnosis of disease? Discuss the role of specific markers in detecting cancer. 4+6 = 10

4. (a) What is dehydration? Write symptoms and treatments of dehydration. Mention the role of ORS in dehydration. 2+3+3+2
- (b) Write a note on Hepatitis C. Describe the procedure for GTT. 5+5

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