



**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 1st Semester Examination, 2020

**CC1-PHYSIOLOGY**

Full Marks: 40

**ASSIGNMENT**

*The figures in the margin indicate full marks.*

**Attempt any *one* question from Group-A and *one* question from Group-B**

**GROUP-A (Answer any *one*)**

20×1 = 20

1. Explain the role of hypothalamus and pituitary gland in maintenance of constant internal environment with two different examples.
2. Discuss the role of different cellular organelle in cellular excretion and protein synthesis.
3. Explain the mechanism of cell signaling by protein hormones and steroid hormones.

**GROUP-B (Answer any *one*)**

20×1 = 20

4. Make a comparative study of different types of epithelial tissue and explain their role in absorption and protection.
5. Describe the different types of communicating junctions with ultrastructure and peculiarities.
6. Discuss the role of mitochondria in controlling lipid metabolism and in programmed cell death.

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