



**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Honours 3rd Semester Examination, 2020

**CC6-PHYSIOLOGY**

Full Marks: 40

**ASSIGNMENT**

*The questions are of equal value.  
The figures in the margin indicate full marks.*

**GROUP-A**

**Answer any one from the following**

20×1 = 20

- |   |     |
|---|-----|
| 1. (a) What is cardiac output and how is it determined? | 4+4 |
| (b) What are the mechanical events of cardiac cycle?    | 8   |
| (c) What causes heart sound?                            | 4   |
| 2. (a) What are the conducting tissues of the heart?    | 6   |
| (b) What are the properties of cardiac muscle?          | 6   |
| (c) What is an electrocardiogram test?                  | 4   |
| (d) Differentiate between bradycardia and tachycardia.  | 4   |

**GROUP-B**

**Answer any one from the following**

20×1 = 20

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|--|-------|
| 3. (a) What is blood brain barrier? How does it protect the brain? What cannot pass through blood brain barrier? | 5+5+5 |
| (b) Depict the pathway of coronary circulation?  | 5     |
| 4. (a) How does endocrine system affect the cardiovascular system?   | 7     |
| (b) What part of the brain regulates the cardiovascular system?  | 7     |
| (c) How blood pressure is regulated in our body?   | 6     |

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