

U.G. 2nd Semester Examination - 2021**Molecular Biology & Biotechnology****[HONOURS]****Course Code : MBBT-H-201-T-CCR-3****(Mammalian Physiology)**

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions: 1×5=5
- What is myelination?
 - Name two essential fatty acids.
 - State two important functions of parathyroid hormone.
 - What is the partial pressure of O₂ and CO₂ in arterial blood?
 - What is synaptic gutter?
 - What do you mean by motor unit?
 - What is SA node?
 - What is thrombin?

2. Answer any **one** from the following questions:

5×1=5

- Write a note on Chloride shift. 5
- Briefly describe the intrinsic mechanism of blood coagulation. 5
- Write the composition of pancreatic juice. 5

3. Answer any **one** from the following questions:

10×1=10

- Briefly describe the process of urine formation by kidney. 10
- Describe the mechanism of action of insulin hormone.
 - Write a note on diabetes mellitus. 7+3=10
- Discuss the mechanism of lipid absorption in alimentary canal.
 - Describe the role of amylase and lipase in fat metabolism. 7+3=10
