

**2021**  
**B.A./B.Sc.**  
**First Semester**  
CORE – 2  
**BOTANY**  
*Course Code: BOC 1.21*  
(Biomolecules & Cell Biology)

**PART-B**  
Total Mark: 30

*Answer the following questions.*

6×5=30

1. Water exists in liquid state below the layer of iceberg. Comment.
  2. What are the roles of messenger RNA, transfer RNA and ribosomal RNA?
  3. Derive the Michaelis-Menten equation.
  4. Describe the cell cycle with illustration and give a brief outline on regulation checkpoints.
  5. With illustrations, describe the structure of chloroplast in under 600 words.
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