

School of Biomedical Science

**B.Tech Biotechnology
Semester End Examination - Jun 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem II - Q1UH101T - Remedial Biology*General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- | | | |
|-----|--|--------|
| 1) | Define genes. | K1(2) |
| 2) | Explain Apical meristem tissue in details. | K2(4) |
| 3) | Explain in detail root system in Plants. | K2(6) |
| 4) | Describe the role of auxins in plant growth. | K3(9) |
| 5) | Explain the light-dependent reactions of photosynthesis. | K3(9) |
| 6) | Examine the functions of various chemical components of a living system. | K5(10) |
| 7) | Analyze the difference between muscle tissue and nervous tissue. | K4(12) |
| 8) | Examine the process of adaptive radiation and provide examples from the natural world. | K5(15) |
| 9) | Examine the role of plant hormones in regulating cell elongation and growth. | K5(15) |
| 10) | Discuss the specialized functions of blood tissue in animals, and how does its composition vary among different species? | K6(18) |