

School of Agriculture

**Bachelor of Science Honours in Agriculture
Summer Term Examination – July - August 2024**

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

Sem I - A1UA102B - Fundamentals of Plant Biochemistry and Biotechnology*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*

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| 1) | Tell the meaning of protein denaturation. | K1(2) |
| 2) | Explain the terms SBCC and DLC. | K2(4) |
| 3) | Illustrate the steps of somatic hybridization. | K2(6) |
| 4) | Construct the steps in somatic hybridization. | K3(9) |
| 5) | Construct the procedure for approval of GMOs. | K3(9) |
| 6) | Interpret the importance of biochemistry in medicine and nursing. | K5(10) |
| 7) | Distinguish between cosmid and phasmid. | K4(12) |
| 8) | Conclude the steps of citric acid cycle. | K5(15) |
| 9) | Conclude the scope and importance of biotechnology. | K5(15) |
| 10) | Elaborate the stages of glycolysis. | K6(18) |