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**Faculty of Agriculture
Rajarata University of Sri Lanka
Puliyankulama**

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**Bachelor of Science Honours in Agriculture [2019/2020]
Year III Semester II - End Semester Examination – Jan./ Feb. 2025**

**PS 3218 – Advanced Techniques in Molecular Biology
Part II (Essay)**

Instruction: Answer all questions.

Time: 01 hr.

Total marks: 50

- 1) Explain your approach to designing and conducting a scientific experiment to confirm whether a given plant is transgenic. (25 marks)
- 2) Compare and contrast standard PCR and RT-qPCR techniques. (25 marks)