



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School : School of Engineering

Program: B.Tech Biotechnology (Food)

Course: Genetic Engineering for Agribiotech **Course Code:** BTE319

Semester: V

Max Marks : 40

Duration (mins) : 90

Answer any FIVE questions. (Each carries 8 Marks)

[40]

Q1. What is terminator technology? Why is it harmful for farmers? Explain with diagram.

Q2. What are the problems with genetically modified plants? Discuss.

Q3. How can you prevent ripening of tomato by antisense RNA? Describe.

Q4. Glyphosate is a harmful herbicide. How can you design Round Up Ready crops by genetic engineering?

Q5. What is Golden Rice? Describe its production, utility and problems.

Q6. What is inclusion body? Why is it a problem for gene expression? How can it be reduced? Explain.

Q7. What is inducible promoter and how can it help in protein expression in host cells? Explain with suitable diagram.

Q8. What is Bt cotton? Describe the vector design of Bt gene.