



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School : School of Engineering

Program: B.Tech Biotechnology(Medical)

Course: Genetic Engineering for Biopharmaceuticals **Course Code:** BTE321

Semester: V

Max Marks : 40

Duration (mins) : 90

Answer any FIVE questions. (Each carries 8 Marks)

[40]

Q1. "Recombinant DNA has revolutionized manufacture of Human Insulin". Explain this statement with suitable examples.

Q2. Tabulate the recombinant DNA products and diseases they cure.

Q3. How can gene therapy be useful to treat cancers? Elaborate.

Q4. Write a note on recombinant vaccines.

Q5. What are the approaches for disease gene identification.

Q6. What is Pharming? How can live animals be used as recombinant protein production? Discuss.

Q7. " The promoter is a crucial component for recombinant protein expression"
Discuss the statement in details.

Q8. What are the problems of recombinant protein expression in *E.coli*? explain.