



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School: School of Engineering
Course: Tissue Engineering

Program: B.Tech. Biotechnology (Medical)
Course Code: BTE320

Semester: V

Max Marks: 40

Duration (mins): 90

Answer the following questions.

- Q1. Name the ideal properties of scaffolds used in bioengineering. [2]
- Q2. Explain the particulate leaching technique of biomaterial fabrication. [3]
- Q3. Write a note on Biodegradable polymers. [5]
- Q4. Discuss the types of bioreactors for tissue engineering applications. [5]
- Q5. Describe different methods of Liver tissue engineering. [5]
- Q6. Describe the methods of improvement and characterization of tissue engineered vascular grafts. [10]
- Q7. Explain the construct and design technology of artificial pancreas with their drawbacks and benefits. [10]