



# AJEENKYA

## D Y PATIL UNIVERSITY

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### End Term Examinations (April 2019)

**School :** School of Engineering

**Program:** B.Tech Biotechnology(Medical)

**Course:** Pharmaceutical Chemistry

**Course Code:** BTE317

**Semester:** VI

**Total Marks :** 50

**Duration (min):** 120

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**Answer any 5 questions.**

**Each question carries 10 Marks.**

1. Discuss how medicinal chemistry helps in designing of HIV drugs. Describe tubulin as a drug target.
2. Explain the concept of competitive inhibitors with chemistry and their utility in medicines.
3. What are the intermolecular forces useful in drug activity? Discuss.
4. Classify the antibacterial drugs according to targets. Discuss the mechanism of action of penicillins.
5. How is antibacterial drug resistance caused? Discuss the mechanisms.
6. What are the targets of anticancer drugs ? Explain.
7. What are classifications of drugs according to targets? Describe.
8. Discuss the mechanism of action of suicide substrate inhibitors and their utility as medicines.
9. What is receptor concept in medicinal chemistry? Explain.