



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examinations (April/May 2019)

School : School of Engineering

Program: B.Tech. Biotechnology (Medical)

Course: Nanomedicine

Course Code: BTE315

Semester: VI

Max Marks: 40

Duration (mins) : 120

Note: Attempt all questions.

- Q1. Write a note on targeted drug delivery of therapeutic proteins and peptides? (5)
- Q2. a) Write short note on Carbon fullerenes and carbon nanotubes. (5)
- Or
- b) Write short note on quantum dots and quantum wells.
- Q3. Nanotechnology applications in medicine: what are the updates? (15)
- Q4. List out applications of magnetic Nanoparticles? (5)
- Q5. Explain the technique:
- a) Scanning near-field optical microscopy (SNOM)
- b) Scanning ion-conducting microscopy (SCIM) (5)
- Q6. Write a note on application of nanoparticles in imaging and as sensors? (5)