



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (April 2019)

School : School of Engineering

Course: Nanobiotechnology

Semester: II

Max Marks: 40

Program: M.Tech (Bioengg)

Course Code: BEN523

Duration (mins) : 120

Note : 1. Figures to the right indicates full marks.

2. All questions are compulsory

Q. No. 1 Write short note on following –

(any 5)

(15)

a. Nanoparticles

c. Top-down and bottom-up approach

e. Implant coatings

g. Chitosan

b. Chitosan

d. Applications of Au nanoparticles

f. Nanotubes

Q. No. 2 Explain in details -

(any 5)

(25)

a. Concept for microfluidic devices

b. Nanogels

c. Microbial nanoparticle production

d. Chemistry and structure of S-layers

e. Surface modifications of microfluidic devices

f. Nanopores

g. Microbial nanoparticle production