



Register Number:.....

B.TECH DEGREE EXAMINATIONS: NOV / DEC 2014

(Regulation 2009)

Sixth Semester

BIOTECHNOLOGY

BTY117: Biopharmaceutical Technology

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. India's leading biopharmaceutical company is
 - a) Reddy's lab
 - b) Cipla
 - c) Biocon
 - d) Rasi seeds
2. IPC was made fully operational autonomous body since
 - a) 2008
 - b) 2007
 - c) 2009
 - d) 2006
3. Entero means ____ in greek
 - a) mouth
 - b) intestine
 - c) stomach
 - d) liver
4. The new multi-compartmental pharmacokinetic model is
 - a) LADME
 - b) ADME
 - c) IADME
 - d) NADME
5. Which among given below is the best source of biopharmaceuticals.
 - a) Plant
 - b) Animal
 - c) Bacteria
 - d) All of the above
6. _____ number of phases are involved in clinical research of pharmaceuticals.
 - a) 5
 - b) 4
 - c) 3
 - d) 2

23. a) Elucidate the process of new drug development and drug discovery.

(OR)

- b) (i) Mention the sources of biopharmaceuticals. (3)
(ii) How production of final product and analysis of it is done in pharmaceutical industry? (11)

24. a) Explain the process of formulation and production of solid dosage forms.

(OR)

b) Explain the process of formulation and production of liquid dosage forms.

25. a) Describe the production and application of monoclonal antibodies in biopharmaceutical industry.

(OR)

- b) (i) Describe about various vaccines and the process of attenuated vaccine production. (8)
(ii) How viral vaccine is produced and applied. (6)
