

Exam.Code:1033

Sub. Code: 7876

2072

M. E. (Biotechnology) Second Semester

Elective – II

MEBIO-205 (b): Pharmaceutical Biotechnology

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

I. Explain the following:-

- a) TQM
- b) 2D Descriptors used in QSAR
- c) Name two CADD tools
- d) Biosimilar
- e) Artificial enzyme

(5x2)

UNIT - I

II. Discuss in detail the various factors affecting ADME.

(10)

III. Comment on:-

- a) Liposomes as advanced drug delivery system
- b) GMP and its regulatory guidelines

(2x5)

IV. Comment on:-

- a) Structure based drug design
- b) Ideal characteristic of artificial enzymes

(2x5)

UNIT - II

V. Discuss in detail different Pharmacokinetic models and their advantages.

(10)

VI. Write note on:-

- a) Elements of TQM
- b) Objective and function of quality control

(2x5)

VII. Give an overview:-

- a) History of pharmacy
- b) Applications of QSAR in drug design

(2x5)

x-x-x