VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM

M.PHARM. DEGREE EXAMINATION – December 2018
Second Semester

BRANCH : PHARMACEUTICS

COMPUTER AIDED DRUG DELIVERY SYSTEM

Time   : Three hours   Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary
your answer should be specific to the questions asked)**

SECTION –A

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Statistical modeling in pharmaceutical research and development.

2. i) Population modeling   ii) BCRP   iii) Active transport.

3. Write a note on computer simulation in pharmacokinetics.

4. i) Clinical data collection and management

    ii) Artificial Intelligence.

SECTION –B

II. Answer any **THREE** questions**:**   **(3 x 10 = 30)**

5. ICH Q8 guideline

6. BBB – choline transporter

7. Regulations of computer designs

8. Pharmaceutical automation.

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