2. What is optimization? Explain about the optimization parameters.
3. Elaborate QbD in pharmaceutical formulation development.

III. Short answers (Answer seven out of nine questions) 5x7=35

1. Short notes on biowaiver consideration.
2. Write about the legal protection of innovative use of computers.
3. Explain about the Computer simulation in PKPD.
4. Write note on Pgp & BCRP.
5. Write note on statistical modelling in Pharmaceutical R&D.
6. History of computers in pharmaceutical sciences.
7. Computer ethics in pharmaceutical R&D.
8. Write note on GIT absorption simulation.
9. Write note on clinical data collection management.

★★★

PG (CBCS) EVEN SEMESTER EXAMINATION, 2024

PHARMACEUTICAL SCIENCES
(M.Pharm. 2nd Semester)

Course No: MPH 203T
(Computer Aided Drug Delivery System Theory)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

I. Objective type : 2x10=20

1. What is QbD?
2. Enlist IPR in computer.
3. Statistical modelling in pharmaceutical research?
4. What is QSPR?
5. Enlist influx transporters.
6. What is response surface methodology?
7. What is liability?
8. Explain Lipinski rule of 5.
9. Write about computational fluid dynamics.
10. What is IVIVC?

II. Long answers (Answer two out of three questions) 10x2=20

1. Write about the types of Artificial intelligence and pharmaceutical automation.

(Turn Over)