



SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

COIMBATORE-641035



NOVEL DRUG DELIVERY SYSTEM

UNIT 1

2-Mark Questions

1. Define Controlled Drug Delivery System (CDDS). (TNMGRMU Dec 2021)
2. Differentiate between controlled and sustained drug delivery. (TNMGRMU Oct 2021, Feb 2024)
3. What is the rationale behind controlled drug delivery? (TNMGRMU Oct 2022)
4. Mention two advantages of CDDS. (TNMGRMU Feb 2022)
5. List any four desirable properties of polymers for pharmaceutical use. (TNMGRMU July 2022)

5-Mark Questions

1. Explain the physicochemical and biological properties of drugs relevant to controlled-release formulations. (TNMGRMU May 2022, Feb 2023, June 2023)
2. Write a note on ideal drug candidates for controlled drug delivery. (TNMGRMU July 2022)
3. Explain the principles of muco-adhesion. (TNMGRMU Oct 2021, Feb 2023)
4. Explain the concept of osmotic pump. (TNMGRMU July 2022)
5. Discuss about the polymers in controlled release drug delivery system. (TNMGRMU Dec 2021, Mar 2025)

10-Mark Questions

1. Explain the different approaches to designing controlled-release formulations based on diffusion, dissolution, and ion-exchange principles. (TNMGRMU May 2022, Oct 2022, Dec 2023)
2. Explain the principle involved in the design of controlled drug delivery system. (TNMGRMU Dec 2021, Oct 2022)
3. Write about the factors affecting the formulation of controlled-release drug delivery systems. (TNMGRMU Dec 2023)