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School of Medical and Allied Sciences**Master of Pharmacy in Pharmaceutics
Mid Term Examination - May 2024****Duration : 90 Minutes****Max Marks : 30****Sem II - MPH201T - Molecular Pharmaceutics NanoTech and Targeted DDS***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define targeted drug delivery system. K1 (2)
 - 2) Outline the various challenges in treatment for brain cancer. K2 (2)
 - 3) Summarize the applications of Liposomes. K2 (2)
 - 4) What is the main objective of targeted drug delivery systems? K1 (2)
 - 5) Compare liposomes and nanoparticles in terms of structure and applications. K2 (2)
 - 6) Develop a note on monoclonal antibodies for the management of tumors. K3 (5)
 - 7) Develop a note on infiltration and invasion. K4 (5)
- OR**
- Simplify the principles and applications of microfluidics in preparation of liposomes. K4 (5)
 - 8) Appraise a detailed note on Organelle targeting. K5 (10)

OR

- Appraise a detailed note on challenges in developing drugs for brain Cancer. K5 (10)