GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Medical and Allied Sciences

Bachelor of Pharmacy
Semester End Examination - Aug 2024

Duration : 180 Minutes
Max Marks : 75

Sem VII- BPHT7004- Novel Drug Delivery System

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)	Demonstrate various advantages of Targeted drug delivery system.	K2(2)
2)	Explain the term liposomes.	K2(2)
3)	List the various advantages of controlled drug delivery system.	K1(2)
4)	Summarize the various advantages of microencapsulation.	K2(2)
5)	List various marketed ocuserts.	K1(2)
6)	Compare spray drying and spray congealing technique of microencapsulation.	K2(2)
7)	What are the advantages of transdermal drug delivery system?	K1(2)
8)	Explain the term microencapsulation.	K2(2)
9)	What do you understand by the term "pressure sensitive adhesive" in transdermal drug delivery system? List some examples.	K1(2)
10)	What do you mean by term transdermal patch along with suitable examples.	K1(2)
11)	Evaluate the choice of a controlled-release formulation in the treatment.	K3(5)
	OR	
	Analyze a case study of Adderall XR (amphetamine extended-release) using ion exchange resins	K3(5)
12)	Build a note on reverse phase evaporation method and bubble method for the preparation of niosomes.	K3(5)
13)	Organize the key characteristics of mucoadhesive systems and high-density floating systems	K4(5)
14)	Apply your knowledge and explain various methods to overcome intra-ocular barriers.	K3(5)
15)	Distinguish between pan -coating and spray- drying technique of microencapsulation.	K4(5)
16)	Simplify any two formulation approaches used in the development of TDDS.	K4(5)
	OR	

	Simplify the difference between Higuchi Leeper Pump and Higuchi -Theeuwes pump.	K4(5)
17)	Distinguish between pan -coating and spray- drying technique of microencapsulation.	K4(5)
18)	Elaborate the reverse salting out and solvent evaporation method for the preparation of nanoparticles.	K6(10)
19)	Conclude a note on solvent evaporation method and emulsification/ solvent diffusion method for nanoparticle.	K5(10)
	OR	
	Explain any four intra-uterine devices in brief.	K5(10)