

Name:		 UPES UNIVERSITY OF TOMORROW	
Enrolment No:			
UPES End Semester Examination, December 2025			
Course: Pharmaceutics I Program: B. Pharm Course Code: BP 103T		Semester : I Duration : 03 Hours Max. Marks: 75	
Instructions: Attempt all the sections.			
SECTION A (20Qx1M=20 Marks) Attempt all questions.			
S. No.		Marks	COs
Q. 1.	_____ is known as father of pharmacy in India.	1	CO1
Q. 2.	2 nd Indian Pharmacopoeia came into existence in year _____.	1	CO1
Q. 3.	State significance of R _x in prescriptions.	1	CO1
Q. 4.	Enlist name of different Pharmacopoeia.	1	CO1
Q. 5.	Define divided powders.	1	CO1
Q. 6.	Name any two therapeutic incompatibilities.	1	CO2
Q. 7.	Give formula to calculate dose based on body surface Area	1	CO2
Q. 8.	Define “Drug”.	1	CO2
Q. 9.	Name types of surfactants?	1	CO2
Q. 10.	Give formula of displacement value.	1	CO3
Q. 11.	Give an example of isotonic solutions.	1	CO3
Q. 12.	Name methods used for preparation of emulsion.	1	CO3
Q. 13.	What is allegation method?	1	CO3
Q. 14.	Give two examples of emulgents.	1	CO4
Q. 15.	Define gargles.	1	CO4
Q. 16.	Define lotion.	1	CO4
Q. 17.	List advantages of liquid dosage form.	1	CO4
Q. 18.	Calculate the dose of paracetamol for a 6-year-old child with a BSA of 0.21 m ² , if the adult dose is 500 mg.	1	CO5
Q. 19.	Enumerate methods to overcome stability problems of emulsion.	1	CO5
Q. 20.	Define biphasic liquid dosage forms with example.	1	CO5
SECTION B (20 Marks) (2Qx10M=20 Marks) Attempt 2 Question out of 3			
Q. 1.	Describe parts of prescription. Give detailed note on handling of prescription.	5+5	CO1
Q. 2.	Differentiate between i) O/W and W/O emulsions ii) Flocculated suspension and Deflocculated suspension	5+5	CO2
Q. 3.	Give a detailed note on physical and chemical pharmaceutical incompatibilities.	5+5	CO3

SECTION-C (35 Marks)
(7Qx5M=35 Marks)
Attempt 7 Question out of 9

Q. 1.	Write a note on Father of Medicine.	5	CO1
Q. 2.	What are the ethical responsibilities of a pharmacist in relation to his/her medical profession?	5	CO1
Q. 3.	Give definition, formula, and uses of any two : i. Emulsion ii. Simple Syrup IP iii. Liniments iv. Ointment	5	CO2
Q. 4.	Briefly discuss the factors affecting posology.	5	CO3
Q. 5.	Describe types of suppositories with example.	5	CO3
Q. 6.	Discuss excipients used in formulation of semi solid dosage forms.	5	CO4
Q. 7.	Classify and discuss powders with example.	5	CO4
Q. 8.	Explain the factors influencing the dermal penetration of drugs.	5	CO5
Q. 9.	Write a note on evaluation of emulsions.	5	CO5