CBCS SCHEME

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USN		2	1BT743
S	eve	enth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan	2025
	, k 2 1/4 8 7 9	Pharmaceutical BT and Clinical Research	1.2023
		Filarmaceutical BT and Chinical Research	
Tin	ne:	3 hrs. Max. Mark	ks: 100
			10.
Note: Answer any FIVE full questions, choosing ONE full question from each module.			
1		Module-1	3034 1)
1	a. b.		10 Marks) 10 Marks)
	U.	what is Grandiation! Discuss the two types of grandiation methods.	10 Marks)
		OR	
2	a.	Give an account of the various packaging materials used in Pharmaceutical Industry	у.
			(10 Marks)
	b.		
		preparations.	(10 Marks)
		Module-2	
3	a.		ase target
	***		(10 Marks)
	b.	The ADME of the drug determines the dosing regime of the drug. Substantiate. ((10 Marks)
4		OR	4035
4	a. b.		10 Marks)
	U.	CTF family enzymes have a vitarrole in drug metabolism. Justify.	(10 Marks)
		Module-3	
5	a.		(10 Marks)
	b.		(10 Marks)
(OR	
6	a.		(10 Marks)
	b.		(10 Marks)
			(10 11111111)
		Module-4	
7	a.		factors as
	1	•	(10 Marks)
	b.	Discuss the preservation and clinical use of blood and blood components.	(10 Marks)
		OR	
8	a.		sustained

- 8 a. What is advanced sustained release? Discuss the various methods of advanced sustained release of drugs. (10 Marks)
 - b. Write short notes on:
 - i) Safety guidelines for blood transfusion.
 - ii) Liposomes. (10 Marks)

Module-5

- 9 a. What is Safety testing? Discuss the various aspects of safety testing. (10 Marks)
 - b. What is Pharmacovigilance? Briefly explain the principles of pharmacovigilance. (10 Marks)

OR

- 10 a. How would you assess placebo responses? What diseases and symptoms often respond to placebo? (10 Marks)
 - b. Write short notes on:
 - i) Cross sectional study.
 - ii) Immunotoxicity studies.

(10 Marks)