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UNIVERSITY OF JAFFNA, SRI LANKA FACULTY OF ALLIED HEALTH SCIENCES

FOURTH YEAR FIRST SEMESTER EXAMINATION IN BPharmHons – 2023 PHAPT 4112 PHARMACEUTICAL TECHNOLOGY III

Date: 02.12.2024

Answer All Four (04) Questions

Time: 02 Hours

1.				
	1.1	Briefly discuss common characteristics of ingredients used in the face		
	1.0	powde		(30 Marks)
	1.2		y explain how	(20 Montra)
		1.2.1	sunscreen agents protect the skin from sunlight?	(20 Marks)
		1.2.2 1.2.3	depilatories remove hair? oxidation dyes impart colour to hair?	(20 Marks) (30 Marks)
				,
2.	2.1	Dogor	the the different peremeters used to assess the flew property of	
	2.1	powde	ibe the different parameters used to assess the flow property of	(20 Marks)
	2.2		the methods used to overcome the cohesiveness of powder	(20 Iviains)
	4.4	formu	The state of the s	(20 Marks)
	2.3		y explain the methods used to prevent photodegradation of drug	AND THE COME MADE A PROPERTY OF THE
	2.4		ss the drug-plastic package interactions.	(30 Marks)
3.				
	3.1	Briefly explain five (05) functions of the quality assurance department		
			production of pharmaceuticals.	(30 Marks)
	3.2		an account on good manufacturing practices for equipment in	
	2000	pharma industry.		(40 Marks)
	3.3	Give s	six (06) Ideal properties of plasma substitutes.	(30 Marks)
4.				
	4.1			
		4.1.1	Explain the difference between the real-time and accelerated stability studies.	(15 Marks)
		4.1.2	Compare and contrast between the bracketing and matrix	(25 Marks)
			methods of stability testing.	(1036.13
		4.1.3	List the factors that affect the stability of a pharmaceutical product.	(10 Marks)
	4.2			
		4.2.1	Define a pilot plant.	(10 Marks)
		4.2.2	Briefly explain the GMP considerations in pilot plant	(40 Marks)
			manufacturing.	