UNIVERSITY OF JAFFNA, SRI LANKA FACULTY OF ALLIED HEALTH SCIENCES

FOURTH YEAR SECOND SEMESTER EXAMINATION IN BPharmHons - 2023 PHABT 4223 DRUG DISCOVERY AND DEVELOPMENT

Date: 15/08/2024 Time: 03 Hours

Answer All SIX Questions.

1.			
	1.1	Write down the desirable features of a promising target of drug discovery.	(20 Marks)
	1.2	Briefly explain target identification methods.	(20 Marks)
	1.3	Explain the techniques used in target identification.	(60 Marks)
2.	2.1	List down the stake holders considered in target selection for drug discovery and development.	(20 Marks)
	2.2	Briefly explain the difference in the drug discovery process in academia and pharma industries.	(50 Marks)
	2.3	Discuss on target specificity and selectivity of antimicrobial drugs.	(30 Marks)
3.	3.1	Discuss the rationale for conducting pharmacological profiling.	(25 Marks)
	3.2	List the advantages of in vitro profiling.	(25 Marks)
	3.3	Briefly explain on in-vivo pharmacological profiling in animals.	(25 Marks)
	3.4	Write down the alternative approaches for animal models.	(25 Marks)
4.		Write short notes on,	
	4.1	Research & Development blueprint.	(20 Marks)
	4.2	neglected tropical disease.	(30 Marks)
	4.3	combinatorial chemistry.	(30 Marks)
	4.4	exploratory toxicology.	(20 Marks)
5.	5.1	Write down the clinical signs of toxicity observed in animals.	(50 Marks)
	5.2	Discuss the optimization approaches in toxicological studies.	(50 Marks)
6.	6.1	Explain how pharmaceutical companies can be encouraged for drug discovery of orphan disease?	(30 Marks)
	6.2	Briefly explain each phases of clinical trials.	(70 Marks)