PRN:		Course Code :	CHS 313R1

Third Year **B.Sc.** End Semester Examination Winter 2023

Pharmaceutical Chemistry

Day and Date: 29 MAY 2024, Wed Max Marks: **50**

Time : 10:30AM To 12:30PM Duration: **02** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1	**Attempt the following.**				
	a)	Explain the drug non-bioavailability.	06	L3	CO1
	b)	Give the synthesis mechanism of Paracetamol	06	L2	CO2
		or			
	c)	Explain the terms antifungal, antibacterial, antiviral and antilaprosy with one example of each.	06	L3	CO1
Q.2	**Attempt the following.**				
	a)	What is drug receptor interaction?	06	L3	CO2
	b)	Explain the prodrug and pharmacophore in drug design.	06	L3	CO2
		or			
	c)	What are pharmacophore applications?	06	L2	CO2
Q.3	**Attempt the following.**				
	a)	Give the synthesis of Phenobarbital.	06	L3	CO3
	b)	Explain the production of ethanol from glucose.	07	L3	CO2
		or			
	c)	Define the terms, analgesics, antipyretics, anti-inflammatory and anti-biotic and give the structure of each.	07	L3	CO2
Q.4	**Attempt the following.**				
	a)	Give the synthesis of Dapsone.	06	L3	CO2
	b)	Explain the synthesis of Diazepam with mechanism.	07	L2	CO2
		or			
	c)	Explain the mechanism of fermentation.	07	L2	CO2

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