Enrollment l	No: Exam Seat No:				
C.U.SHAH UNIVERSITY					
	Winter Examination-2022				
	Willief Examination-2022				
Subject Nam	e: Pharmaceutical Organic Chemistry III - Theory				
Subject Code	e: BP401T Branch: B.Pharm				
Semester: 4	Date: 19/09/2022 Time: 02:30 To 05:30 Marks:	Marks: 75			
(2) Instru (3) Draw	of Programmable calculator & any other electronic instrument is prohibited. actions written on main answer book are strictly to be obeyed. In neat diagrams and figures (if necessary) at right places. The suitable data if needed.				
c) d) e) f) g)	Attempt the following questions: Differentiate: cis and trans isomerism. Define: Enantiomers and Diastereomers. What do you mean by E and Z geometric isomers? Give one example of them. Give definition of heterocyclic compound and hetero atom. Give any two example of heterocyclic ring. Write structure of the followings: 1) Pyrimidine 2) Indole 3) Thiophene 4) Acridine Write medicinal uses of oxazole and purine. Define: chiral compound and chirality. Draw structure of any one chiral compound with name. Write definition of meso compound. Give one example of meso compound with its structure. Give comment on: Thiophene is aromatic. Justify the statement: Pyrrole undergoes electrophilic substitution reaction at 2 nd position.	(20) 2 2 2 2 2 2 2 2 2 2			
Attempt the	following questions:				

Q-2		Attempt any two of following:	(20)
	A	What do you mean by configuration? Explain in detail about RS system of nomenclature of optical isomers with sequence rules.	10
	В	Write two synthesis, two reactions, and two medicinal uses of following: (Any two) 1) Pyrazole 2) Imidazole	10
	С	Explain the following name reactions by giving reaction and mechanism: (Any two) 1) Clemmensen reduction 2) Dakin reaction	10
Q-3		Attempt any Seven of following:	(35)



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Define racemic mixture and resolution. Discuss about different

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