Sl.No: M21422 Course Code: BP401T

VINAYAKA MISSION'S RESEARCH FOUNDATION (DEEMED TO BE UNIVERSITY), SALEM

B.PHARM. DEGREE EXAMINATION – JULY 2019 Fourth Semester

PHARMACEUTICAL ORGANIC CHEMISTRY - III

Γi	me	: Three hours	Maximum:	75 marks	
[.	Wr	ite essays on any TWO questions:	(2	x 10 = 20)	
1. a) Define optical activity and specific rotation and give examples of					
		meso compound.		(5)	
		b) Write about asymmetric synthesis.		(5)	
	2.	a) Explain about reaction and mechanism involved in	Claisen-Scl	hmidt	
		reaction.		(5)	
		b) Discuss the mechanism involved in Clemmensen i		` ′	
	3.	Write synthesis, chemical properties of pyrazole and Imidazole and			
		discuss the basicity of pyridine.		(10)	
**	***	CENTEN		(- - 3-)	
П.	. W 1	rite short answers on any SEVEN questions:	($(7 \times 5 = 35)$	
	4.	Describe about geometrical isomerism and explain w	ith examples	S.	
		Give the synthetic importance of Birch reduction.			
		Write the reactions of Chiral molecules.			
		What is Racemic modification and explain with exan			
		Describe the significance of Acridine, ISO quinaline	derivatives.		
		Discuss about metal hydride reduction.			
		Write the synthesis and importance of pyridine.			
		Discuss about elements of symmetry with examples.			
	12.	Discuss about conformational isomerism in ethane ar	nd n-butane.		
	[. W	rite short notes on:	(1	$0 \times 2 = 20$	
	13.	Define enatiomerism with examples.			
		Write about aromatic character of pyrrole.			
		Give two examples for RS system of nomenclature.			
		What is resolution of Racemic mixture explain with	example.		
		Give two examples for E and Z nomenclature.	•		
		Write the synthetic importance of Beckmanns rearra	ngement rea	ction.	

19. Explain about chemical properties of oxazole.

21. Write the medicinal uses of Pyrazole and Indole.

20. Define stereospecific synthesis.

22. Discuss the basicity of pyridine.