Sl.No: M2125 Course Code: BP401T

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

B.PHARM. DEGREE EXAMINATION – July 2021 Fourth Semester

PHARMACEUTICAL ORGANIC CHEMISTRY - III

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Time	: Three hours	Maximum:	75 marks
I. Wr	ite essays on any TWO questions:	(2	$2 \times 10 = 20$
1.	Describe about absolute and relative configuration.		(5+5)
2.	Write the methods of preparations and reactions of qualified Briefly explain on the following reactions	uinoline.	(5+5)
	i) Birch reduction ii) Beckmann's rearranger	nent	(5+5)
II. W	rite short answers on any SEVEN questions:		$(7 \times 5 = 35)$
4.	List out the methods used in reduction reaction. Writ		
5	mechanism and application of any one method.		
	Define and explain the various elements of symmetry Explain the nomenclature of heterocyclic compounds		pies.
	Define and explain the racemic modification.).	(1+4)
	Describe the aromaticity and reactions of Thiophene.		$(2\frac{1}{2}+2\frac{1}{2})$
	Give the reaction and mechanism of Schmidt rearran		$(2\frac{1}{2}+2\frac{1}{2})$
	Elaborate the modern theory of double bonds.	B - 11101101	(= / = / = / = /
	Explain the chemistry of pyridine.		
	Write a note on stereo chemistry of cyclic compound	S.	
III. W	rite short notes on:	(1	$10 \times 2 = 20$
13.	Define Enantiomers.		
	Write the structure and numbering of any two azepin	e.	(1+1)
	Define isomers and isomerism.		(1+1)
	Define asymmetric synthesis.		(4 4)
	Define stereoselective and stereospecific synthesis.		(1+1)
	Write conformations of mono substituted cyclohexco	ne.	
	Define Racemisotion.	nligation of	onti
۷0.	Note on metal hydride reduction reaction with the ap one.	pricadon or	(1+1)
21	What is the use of nitro benzene in Skraup's synthesis	s?	(1+1)
	Write any two reactions of Inidazole.		(1+1)