Sl.No: M21941 Course Code: BP501T

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

B.PHARM. DEGREE EXAMINATION – JANUARY 2020 Fifth Semester

MEDICAL CHEMISTRY - II

Time	: Three hours	Maximum:	75 marks
I. W	rite essays on any TWO questions:	(2	x 10 = 20)
1.	a) Classify antihistaminic agents with suitable examp	oles.	(4)
	b) Outline the synthesis of diphenhydramine and pro	•	(6)
2.	a) Enumerate in detail about the SAR of progesteron		(5)
	b) Write short notes on orai contraceptives.		(5)
3.	a) What are diuretics? Classify them with examples.		(6)
	b) Outline the synthesis of furosemide.		(4)
II. W	rite short answers on any SEVEN questions:	($(7 \times 5 = 35)$
4.	Classify anticancer agents with examples.		
5.	Short notes on anti thyroid drugs.		
6.	6. Outline the synthesis of acetazolamide and mercaptopurine.		
7.	Write short notes on ACE inhibitors.		
8.	Write a note on insulin and its preparations.		
9.	Classify local anesthetics with examples. Give the sy	nthesis of be	enzocaine.
10.	Write the chemical structure and use of		
	a) Methimazole b) Prednisolone c) Levonorgestr	rol	
11.	Describe the structure activity relationship (SAR) an glycosides.	d toxicity of	cardiac
12.	Classify antidiabetics and write the mechanism of ac	tion of piogl	itazone
III. V	Vrite short notes on:	(1	$10 \times 2 = 20$
13	. Draw any two the structures of statins.		
14	. Write the structure and use of sildenafil.		
15	. Any two structure of non- steroidal oestrogens.		
16	. Write the synthesis of warfarin.		
17	. What are high ceiling diuretics?		
18	. Note on doxorubicin.		
19	. Any two plant product used as anticancer agents.		
	. Classify anti arrthymic agents.		
2.1	Synthesis of acetazolomide.		

22. Mechanism of action of chlorambucil.