

JAJ-1612030701060300

Seat No.

M. P. M. (Sem. VI) (CBCS) (External) Examination

November - 2019

Pharmaceutical Chemistry - VII (Medicinal Chemistry - II)					
Time: 3 Hours]		[Total Marks :	80		
Instruct	(1) (2) (3) (4) (5)	Answer and tie up both the sections separate Figure to the right indicates marks. Answer three (03) questions from each section one (01) and question five (05) compulsory. Draw neat and clean diagrams as required SECTION - I	ion. are		
Answer the following: (any seven) (a) Differentiate opioid and non-opioid analgesics. (b) Enlist stages of general anaesthesia. (c) Explain mechanism of action of local anesthetics. (d) Define prodrug with examples. (e) Give side effects of NSAIDs. (f) Write synthesis of Imipramine. (g) Write biosynthesis of thyroid hormones. (h) Write structure and uses of carbamazepine. (i) Explain cognition enhancers with examples. (j) What is Alzheimer's disease? Give name of drugs used in treatment of it.					
2 Answer the following: (a) Write a short note on CYP450 in detail. (b) Describe factors affecting drug metabolism in detail.			7 6		
3 Ans (a) (b)	to benzoic	AR of local anesthetic agents with respect acid and aniline derivatives.	7 6		

(b) Anti epileptic

4	Answer the following:				
	(a)	Write short notes on	7		
		(a) Anti thyroid drugs			
		(b) Xenobiotic metabolism			
	(b)	Write SAR of Barbiturates.	6		
		SECTION - II			
5	Ans	Answer the following: (any two)			
(8	(a)	a) Describe in detail SAR of Tricyclic antidepressant.			
	(b)	Write a short note on:			
		(1) Drugs acting on uterine motility			
		(2) Anti Parkinson drugs			
		(3) Define and classify antidiabetic agents with its mechanism of action. Give synthesis of Tolbutamide.			
6	Ans	wer the following:			
	(a)	Define and classify sedative and hypnotic.	7		
		Give general method of synthesis of barbiturates.			
	(b)	Explain SAR of adrenocorticoids and estrogens.	6		
7	Ans	wer the following:			
	(a)	Explain SAR of morphine in detail.	7		
	(b)	Give synthesis and uses of following:	6		
		(1) Ibuprofen			
		(2) Pethidine			
		(3) Lignocaine			
8	Ans	wer the following:			
	(a)	Write a short note on:	7		
		(1) Anti gout drugs			
		(2) DMARDs			
	(b)	Explain nomenclature and stereochemistry of steroids.	6		