[Maximum Marks: 80



Time: Three Hours]

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PHARMACEUTICAL MEDICINAL CHEMISTRY-II

Paper-2

N.B	s. :—	- (1) Question No. 1 is compulsory.	
		(2) Solve any FOUR questions from remaining.	
		(3) Draw neat labelled diagram wherever necessary.	
		(4) Assume suitable data wherever necessary.	
		(5) Discuss the reaction, mechanism wherever necessary.	
1.	Solv	ve any FIVE questions of the following:	
	(a)	Describe in brief about life cycle of malaria.	
	(b)	Write brief introduction to combinatorial chemistry.	
	(c)	Write chemical name, structure and synthesis of Acyclovir.	
	(d)	Discuss SAR of chloramphenicol antibiotics.	
	(e)	Describe the degradation of tetracycline antibiotics.	
	(f)	Write a note on antiamoebic agents.	
	(g)		20
2.	Wha	at are antineoplastic agents? Give the classification, mechanism of action and uses of antineoplas	tic
	ager	•	15
3.	(a)		
	` ′	Discuss the classification mechanism of action and uses of sulfonamide.	8
4.	Define and classify antibiotics with suitable examples and structure. Give the chemical name and		
	•	1	15
5.	(a)	Write about classification of Antitubercular drugs. Explain rationale of combination used in therap	
		Give any one synthesis from it.	8
		Classify antiviral drugs with suitable examples. Discuss drugs used in AIDS.	7
6.	(a)	Give the objectives, general principles, physicochemical properties and common approaches	
		drug design.	8
_		Describe a brief introduction of genetic engineering in medicinal chemistry.	7
7.		te notes on any three of the following:	
	(a)	Methods of QSAR	
	(b)	Antifungal agents	
	(c)	Macrolide antibiotic	
	(d)	Antihelminthic agents.	15