		806-0	08.	Medicino	u Che	nistry-11	BB-3709 29/4/08	
		7-0	7		(2 Hours	)	[Total Marks: 35	
N.E	(2	2) Att	empt any		ns from the	e remaining <b>si</b> arks for that qu		
1.	Giv	e one	example	with structure	of the foll	owing : (any s	even)	7
				nbination for larial which is		ent of leprosy.		
				eration cepha		ie delivative		
						vative of aceta	anilide	
		' '		tabolite of ura nide used in l		οV		
		(g) A	n azole a	intifungal age	ent			
		(h) A	Mucleos	ide RT inhibi	tor which i	s an analog of	f thymidine.	
2.	(a)		the struc		generic na	me and write t	he therapeutic use of the	6
		- 7	*/	iaminodiphen	-	amino 1 6 ma	ethoxy quinoline	
						–5–nitroimidaz		
	/b)					zole-2-carban		
	(D).	went	ion the ar	itibiotic obtair	ied from <u>S</u>	. <u>orcnidaceus</u>	(give structure).	1
3.	(a) (b) (c)	Give	reactions t	o show how th	ne alkylatin	g agent procart	rolide antibiotics. pazine is activated in nino. ructure to be drawn).	3 3 1
4.	(a)	Give the structure of the active cinchona alkaloids and mention their essential stereochemical configurations.						4
	(b)	Give an example of an anticancer antibiotic and state its mechanism of action 2						
	<ul><li>(no structure to be drawn).</li><li>(c) Give an example with structure of an acid resistant semisynthe</li></ul>						semisynthetic penicillin.	1
5.	(a)	Outlin		cycle of the H	IV virus ar	nd mention the	pathways unique to this	3
	(b)	(i) N	lention the	e structural fe				2
	(c)			tive analog of anism of action				1
6.	<ul> <li>State whether the following statements are 'true' or 'false'. Correct those that are 'false'.</li> <li>(a) Cephalexin is poorly absorbed as compared to cephaloglycin.</li> <li>(b) In the 2,4-diaminopyrimidine series substituents at position 6 do not affect antimalarial activity.</li> </ul>							
		(c) S	ubstitution	of the secon	dary butyl	moiety in ethar	mbutol by a testiary butyl	
				ces activity.  a bread spec	trum anth	elmintic agent		
_			1-des			7 .		-
7.							thetic procedure should te reaction conditions to	7

be mentioned :

(a) Cyclophosamide (b) Amnicillin