	Seat Number PANKH-04
	BP-501T
	Medicinal Chemistry-II
	(735501)
	Total Pages: 4]  Time: 3 Hours  Max Marks: 75
	Note: (1) Do not write anything on question paper except Seat No.
	(2) Students should note, no supplement will be provided.
	(3) All questions are compulsory.
	(4) Figures to the right indicate full marks.
	(5) Graph or diagram should be drawn with black ink pen.
1	. (A) Select the appropriate option for the following MCQs: 10
	(i) Which type of cell is histamine mostly produced in ?
	(a) Eosinophil (b) Basophil
	(c) Mast cell (d) Cytokines
	(ii) Which term best describes the mechanism of action for
	fluoroquinolones ?
	(a) Alkylating agent (b) Antisense agent
	(c) Chain cutter (d) Topoisomerase poison
	(iii) Which of the following drugs is a carbonic anhydrase
	inhibitor ?
	(a) Acetazolamide (b) Amiloride
	(c) Chlorambucil (d) Mannitol
	P.T.O.

	(iv	) An	thracycline used for the	e cance	er chemotherapy is :
		(a)		<b>(b)</b>	Daunorubicin
		(c)	Vaptans	(d)	Cisplatin
1-11-	(v)		rdioselective beta block	er :	
		(a)	Metaprolol	<b>(b)</b>	Propranolol
		(c)	Both (a) and (b)	(d)	Neither
	(tri)			monly	used in anticancer therapy.
		Wh	ich of the following st	tateme	nts is not true of the above
		stra	ecture ?		
		(a)	It is relatively non-	toxic	
		(b)	It acts as a prodrug	5	
		(c)	It cannot be taken	orally	
		(d)	The structure is me	taboliz	ed to release acrolein
	(vii)	Whi	ch of the following dr	ugs is	least preferred in long term
			tment of hypertension		
		(a)	Clonidine	(b)	Propranolol
		(c)	Moxonidine	(d)	(12)
	(viii)				
	(0111)	CHOO	se the <i>correct</i> thiazol	idinedi	ones drugs :
		(a)	Rosiglitazone	<i>(b)</i>	Acarbose
		(c)	Nateglinide	(d)	Repaglinide
PANKH-04			2		

AKH-04

PANKH-0

	(ix)	Flecainide						
-0-4		(b) Decreases conduction velocity (c) Has no effect on conduction velocity.						
	(x)	Can increase/decrease conduction velocity depending on concentration.  Benzocaine block:						
		(a) C1- (b) Na+						
(B)	) Answ	(c) K <sup>+</sup> (d) Cn <sup>2+</sup> wer the following questions:						
	(i)	Draw the structure of cocaine.						
	(ii)	Outline the chemical synthesis of procaine.						
	(iii)	Draw structure and give IUPAC nomenclature of any one						
		propylamine antihistamine.						
	(iv)	Classify antimetabolite with examples.						
	(v)	Draw the structure of any two anticoagulants.						
2. Att	tempt an	by two of the following:	)					
(i)	Give classification of antidiabetic agents. Write a note							
	thiaz	thiazolidinedione derivative. Outline synthesis to tolbutamide.						
(ii)	Defin	Define cancer and give types of cancer. Explain chemistry, mode of action						
	of ni	trogen mustard.						
(iii)	) Expla	ain the chemistry and SAR of cortisone.						
PANKH-	04	3 P.T	.0					

(ix)

- Attempt any seven of the following: 3.
  - Write a note on gastric proton pump inhibitor.
  - Explain in brief about ACE inhibitor as antihypertensive agents. (i)
  - Add a note on potassium sparing diuretics. (ii)
  - (iii) Classify Anti-arrhythmic drugs in detail.
  - Explain anti-hyperlipidemic agents with examples. (iv)
  - Classify antineoplastic agents by giving two examples of each class. (v) (vi)
  - Explain chemistry and nomenclature of Dexamethasone. (vii)
  - Write a note on anticoagulants. (viii)
  - Give synthesis of: (ix)
    - Diphenhydramine (i)
    - Cimetidine. (ii)

PANKH-04