Time: 3 Hrs	DEC. THE	Marks: 80
N. B. (1) All questions are comp (2) Figures to the right inc	- A/S	ALDER ENDER ENGRAPE
Q 1a. Answer the following (i) Define 'agoinst' & 'Bio	pequivalence'	SOLUTION OF 16
	of action of mannitol eptors and give example of sele	ective antagonist for each subtype
<ul><li>(v) Give mechanism of acti</li><li>(vi) Why HDL is known as</li><li>(vii) Enlist factors affecting (viii) Biotransformation is a p</li></ul>	good cholesterol?	or Falsa with justification
Q 1b. Answer following	process of detoxing attoil - True	of Paise with Justification
(i) Explain the term "invers (ii) Classify anti-anginal drug (iii) Define first pass effect? (iv) What is drug dependence	gs What purpose does it serve?	ALL CANTENION PURPLES OF THE PROPERTY OF THE P
Q 2 (a) Answer any two of the foll		St. St. St. 8
(ii) Classify skeletal muscle depolarizing muscle rela	acological actions of acetylcho e relaxants. Differentiate betwe axants. rage, and hydrolysis and metab	een depolarizing and non-
Q 2 (b) Answer any one of the foll	owing	4
	nistration and discuss advantag	es and disadvantages of parenteral
(ii) Write a note on routes of	excretion.	
Q 3 (a) Answer any two of the foll	owing	8
(ii) Classify anti-hypertensi inhibitors.	ve drugs and write a note Reni	-
(iii) Classify anti-hyperlipid	emic drugs. Write a note on H	VIG-CoA reductase inhibitors.
Q 3 (b) Answer any one of the foll		4
<ul><li>(i) Give mechanism of acti</li><li>(ii) Write a note on calcium</li></ul>	on of organic nitrates a channel blockers with therape	utic uses
Q 4 (a) Answer any two of the foll	V7	8
(ii) Explain in-detail the the	age, release, and metabolism of erapeutic effects of Anticholine teptors and discuss therapeutic type of receptor	sterases

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Q + (0) P	diswer any one of the following	4
(i)	Give therapeutic classification of symmpathomimetics.	
(ii)	Explain the mechanism of action of Prazosin	
Q 5 (a) A	Inswer <b>any two</b> of the following	8
(i)	Classify receptors? Explain IP3 DAG pathway in detail?	
(ii)	Describe enzyme linked receptors in detail	
(iii)	Write a note on nuclear receptors? Explain the mechanism of action of drugs acting o	n
	nuclear receptors	
Q 5 (b) A	Inswer any one of the following	4
(i)	Discuss factors affecting bioavailability?	
(ii)	Write a note on Phase II reactions with example and discuss any one reaction	
Q 6 (a) A	answer <b>any two</b> of the following	8
(i)	Classify diuretics. Discuss role of Potassium Sparing Diuretics in-detail	
(ii)	Write a note on pharmacotherapy of loop diuretics	
(iii)	Discuss pharmacotherapy of thiazide	
Q 6 (b) A	Answer <b>any one</b> of the following	4
(i)	How does body weight affect drug action?	
(ii)	Comment on disease induced changes in drug action	

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