Level: Bachelor Programme: B. Pharm Course: Pharmacology I

Year Full Marks: 100 Pass Marks: 45 Semester - Fall : 3hrs. Time

Candidates are required to give their answers in their own words as far The figures in the

The figures in the margin indi

	ttempt all the guestion indicate full marks.				
A					
a.	What are it is exampled	7			
b.	What are the basic types of drug action? Explain them with examples and differiantiate between competitive and noncompetitive receptors. Write about glaucoma with its types. Name the drug used in glaucoma with its classification. How can you differentiate between myasthenai crisis and chall	8			
ì.	Give the classification of anticholinergic drugs. In which condition is	5			
Э.	write the mechanism of a state	5			
٤.	Write the mechanism of action of succinylcholine. What are cardioselective beta blockers and what are their advantages?				
	advantages? Deta blockers and what are their	5			
1.	What are sedative and hypnotics. Why are benzodiazepine preferred				
	to barbiturates? Why are benzodiazepine preferred	5			
).	Mention the effects that occur on blockade of post synaptic dopamine				
	receptors through different pathways.	_			
۶.	Classify anitdepressent M. Classify anitdepressent M.	5			
l. ).	Classify anitdepressant. Mention the side effects of neuroleptics.  Classify drugs used in Parkinsonism. Mention the precautions and  What are approaches for treatment as	5 8			
		G			
L.	What are approaches for treatment of asthma, give the mechanism of action of sympathomimmetics?  Explain the importance of methotrexate in Rhematoid Arthritis along with its MOA.  Give the mecahnism of uricosuric drugs and it.	7			
).		5			
<b>;.</b>	Mention different types of histamine antagonist along with their Classify oral antidiabetic drugs and mention the adverse effect of Mention the uses of progestin. Name to the state of the	_			
L.		5			
	sulphonylureas?				
).	What are anabolic steroids write at	5			
ŀ.	Mention the uses of progestin Name of USes and	5			
sulphonylureas?  What are anabolic steroids, write about its uses and mention the adverse effect of the short notes on any two:  Witamin B					
١.	Vicantin D	5			
١.	Photochemotherapy	5			
•	Antifungal drugs	2×5			

: 2016 Year Full Marks: 100 Semester: Fall Level: Bachelor Pass Marks:45 Programme: B.Pharm. : 3hrs. Course: Pharmacology I (Therapeutics) Time

Candidates are required to give their answers in their own words as far as practicable. as practicable.

The figures in the margin indicate full marks.

#### Attempt all the questions:

a) Define the term agonist, antagonist, inverse agonist, partial agonist,	8				
clinical pharmacology, therapeutics and toxicology.  b) Explain in detail about adrenergic transmission with well labeled diagram.  a) Classify Sedative and hypnotic drugs. Mention the mechanism of action of					
Benzodiazepam.	5				
b) Give the mechanism of action of tubocurarine.					
c) Explain the mechanism of action of Organophosphate poisoining. What is the main reason for administrating 2 ampules of atropine IV stat for					
diagnosis of Organophosphate poisoning? Why it is difficult to treat this case when the time increases.					
a) What are local anesthetics, classify them with suitable example? Write about stages of anesthesia.	8				
b) Classify anitdepressant. Mention the side effects of neuroleptics					
a) Classify anticholinergic drugs. What are the mechanisms of action,					
b) What are the drugs used in the treatment of acute and chronic gout? Give					
91 MPDHOD The Interactions of	5				
antihistaminic drugs with account of the state of the sta					
c) Classify drugs for type-2 diabetes. Write mechanism of action and adverse effects of sulfonylureas.					
a) Give the pharmacological actions and adverse effect of glucocorticoids					
b) Mention the uses of progestin.	5				
c) Classify drugs for asthma. Write in detail about leukotriene antagonists. Write short notes on any two:					
Write short notes on any two:					
<ul><li>a) Physiological role of Vit A</li><li>b) Photochemotherapy.</li></ul>					
b) Photochemotherapy. c) Antibiotics used for the dermatological transfer.					
c) Antibiotics used for the dermatological treatment					

Of Level: Ba	achelor : B.Pharm. Pharmacology I (T	Semester: Fall Therapeutics)	Year : 2017 Full Marks: 100 Pass Marks: 45				
Course:	Filantico	•	Time : 3hrs.				
Candida as practi	tes are required to icable.	give their answers in	their own words as far				
The figure	The figures in the margin indicate full marks.						
Attempt	Attempt all the questions.						
) What is	What is pharmacodynamics? Describe the mechanism of drug action.						
<b>Define</b> h	<ul> <li>Define hypersensitivity. Describe its types with mechanism.</li> <li>Classify parasympathomimetics. Write down the details pharmacology of Acetylcholine.</li> <li>Classify peripherally acting skeletal muscle relaxants. Write down the MoA, pharmacological activity, indication, adverse effects, contraindications and drug interaction of details.</li> </ul>						
of Acety							
contrain							
of ketan	e general anaesth	tion the pharmacology	7				
b) Classify major tranquilizers, give the MoA, adverse effects and uses of Amitryptyline.							
a) Differen	tiate COX-1 and	COX-2.					
<b>v</b> nat ar	e hradykining W-	da . 1	degradas:	5			
c) Define a	sthma. Write its:	symptoms, etiology an	d pathoni	5			
explana	tion.	, i sas, chology an	l degradation. d pathophysiology with	5			
a) Give the	ne biosynthesis a	nd mechanism of secr	retion of:				
cells, lis	st out the various	preparation of insulin.	retion of insulin from β	8			
U) What is	dishetes mollitur	09 11 1					
Classific	cation and give th	ne mechanism of action of cardioselective R. blo	e –II DM, describe with	7			
a) MEHHO	n the advantage o	of cardioselective R bla	ockers	•			
- /	<ul> <li>a) Mention the advantage of cardioselective β- blockers.</li> <li>b) What is RA? How can it be managed?</li> </ul>						
c) Classify antiparkinsonics drugs.							
write short notes on any two:							
a) Role of vitamin A in vision							
b) Dermatological pharmacology c) Serotonin syndrome and cheese reaction							
c) Serotor	nın syndrome and	i cneese reaction					

Level: Bachelor Semester: Fall Year programme: B. Pharm. : 2018 Full Marks: 100 Course: Pharmacology I (Therapeutics) Pass Marks: 45 Time : 3hrs. Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks. Attempt all the questions. Define the term Agonist, Antagonist and Therapeutic Index. Describe 7 the mechanism of drug action in brief. What are anticholinestaerases? Write about pharmacology of 8 Neostigmine. a) Classify parasympatholytics. Write down the details pharmacology of 8 Atropine. b) Define general anaesthetics and local anaesthetics. Classify local 7 anaesthetics, Give the details pharmacology of lidocaine a) What do you understand by Hypnotics & Sedatives? Give reasons why Benzodiazepines are preferred over barbiturates as sedative and hypnotic. Explain in brief about mechanism of action of 7 Benzodiazepine. b) Classify antiparkinsonics. Why carbidopa is used with levodopa, Give the pharmacology of levodopa a) Write down the classification, mechanism of action, adverse effects 7 of drugs used for rheumatoid arthritis. b) Classify oral hypoglycemic agents. Illustrate the regulation of Insulin 8 when there is decrease and increase in blood glucose level in the body. Classify Neuroleptics and mention the detail pharmacology of any 8 one. 7 Define Asthma. What are the various approaches for Asthma treatment. Explain brief about Bronchodilators. Describe the components of pharmacokinetics. 5 Describe the agents affecting Calcification Classify  $\beta$  -blackes. Give the pharmacological action and uses of these drugs these drugs. Write short notes on (any two): 2×5 a) Uses and side effects of Vitamin A b) Antifungal agents. c) Serotonin syndrome and cheese reaction