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Δns	swer	Question No.1 (Par	•			even fror	n Part-II and	any two			
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	257	257	257	Part-I ₂₅₇		257	257	257			
1		Answer the following						(2 × 10)			
	a)	What is Atropisomers?		. o m o ro ?							
	b) c)	What is E-Z System of			line?						
	d)	Why Friedel crafts reaction is not possible on pyridine? Differentiate between diastereomers and enantiomers.									
	e)										
	f)	Write the Structure an	d Medicinal use	e of Purine.							
	g) 7	What is the use of Nal				257	257	257			
	h)	Why Pyrole is week ba									
	i)	Describe the isomerisi	m exhibited by	maieic acid a	na tumar	ic acid					
			condition for a				erism?				
	j)	What is the necessary	condition for a				erism?				
		What is the necessary		compound to	o show o	ptical isom	erism?				
Q2	j)	What is the necessary Focused-Short Answ	ver Type Ques	Part-II	o show o	ptical isom	erism?	(5 × 7)			
Q2	j) a)7	What is the necessary Focused-Short Answ Explain about asymmet	ver Type Ques etric synthesis.	Part-II stions- (Answ	o show o	ptical isom Seven) 257	nerism?	(5 × 7) 257			
Q 2	j) a)7 b)	Focused-Short Answ Explain about asymmet Write short note on pro	ver Type Ques etric synthesis. eparation and o	Part-II stions- (Answ 257 chemical prop	ver Any sperties of	ptical isom Seven) 257 Indole.	257	` ,			
Q2	j) a)7	Focused-Short Answ Explain about asymme Write short note on pro	ver Type Ques etric synthesis. eparation and o structural med	Part-II stions- (Answ 257 chemical prop	ver Any sperties of	ptical isom Seven) 257 Indole.	257	` ,			
Q2	a)7 b) c)	Focused-Short Answ Explain about asymmet Write short note on pro State and explain with favour C2 position in F	ver Type Ques etric synthesis. eparation and o structural med	Part-II stions- (Answ 257 chemical prop	ver Any sperties of	ptical isom Seven) 257 Indole.	257	` ,			
Q2	a)7 b) c)	Focused-Short Answ Explain about asymmet Write short note on pro State and explain with favour C2 position in F Write a Short Note on	ver Type Quese etric synthesis. eparation and o structural med Furan. Geometric Ison	Part-II stions- (Answ 257 chemical properhanism - Elector	ver Any sperties of	ptical isom Seven) 257 Indole.	257	` ,			
Q 2	a)7 b) c) d)	Focused-Short Answ Explain about asymme Write short note on pro State and explain with favour C2 position in F Write a Short Note on Discuss the chemical	ver Type Questerric synthesis. eparation and of structural medium. Geometric Ison	Part-II stions- (Answ 257 chemical properhanism - Electorism. nidazole.	ver Any serties of ctrophilic	ptical isom Seven) 257 Indole.	257	` ,			
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4th Semester Regular / Back Examination: 2021-22 MEDICINAL CHEMISTRY-1 BRANCH(S): B.Pharm Time: 3 Hour Max Marks: 75 Q.Code: J440 Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and an from Part-III. The figures in the right hand margin indicate marks. Part-I What do you mean by future medicine? b) Give two examples of non classical Bioisosters. c) Define phase II reactions. d) What is methylation? e) Write the name of COMT and MOA. f) Write down the use of dopamine. g) Define adrenergic blockers. h) Define cholinergic system and its functions. i) Write two examples of synthetic amino-alcohol ester drugs. j) Define the term sedative and hypnotics. Part-II Focused-Short Answer Type Questions- (Answer Any Seven) what do you mean by tonic clonic seizures. d) Give classification and use of antipsychotic drugs with examples. c) What do you mean by tonic clonic seizures. d) Give classification of anticonvulsant drugs with examples. e) Write the mechanism of action of general anesthetics. f) Write a brief note on Nalorphine and Naboxone. g) Write the mechanism of action of forestalling. b) Explain briefly about beta adrenergic blockers. j) Write the factors affecting drug metabolism. 257 Part-III Long Answer Type Questions (Answer Any Two) Explain the types of bondings involved in drug metabolism and specify importance of these bondings. Q4 Explain various enzymes involved in drug metabolism and their importance. Q5 Explain the mechanism of action and functions of Terbutaline, Salbutamol-and Naphazoline.											tration No	Regis	
MEDICINAL CHEMISTRY-I BRANCH(S): B.Pharm Time: 3 Hour Max Marks: 75 Q.Code: J440 Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and an from Part-III. The figures in the right hand margin indicate marks. Part-I ON Max Marks: 75 Q.Code: J440 Answer the following questions: a) What do you mean by future medicine? b) Give two examples of non classical Bioisosters. c) Define phase II reactions. d) What is methylation? e) Write the name of COMT and MOA. f) Write down the use of dopamine. g) Define adrenergic blockers. i) Write two examples of synthetic amino-alcohol ester drugs. j) Define the term sedative and hypnotics. Part-II Pocused-Short Answer Type Questions- (Answer Any Seven) a) Write down few examples of short acting barbiturates with their uses b) Give the classification and use of antipsychotic drugs with examples. c) What do you mean by tonic clonic setzures. d) Give classification of anticonvulsant drugs with examples. e) Write the mechanism of action of general anesthetics. f) Write a brief note on Nalorphine and Naloxone. g) Write the mechanism of action of NSAIDs. h) Explain briefly about beta adrenergic blockers. l) Write the factors affecting drug metabolism. 257 Part-III Long Answer Type Questions (Answer Any Two) Explain the types of bondings involved in drug metabolism and specify importance of these bondings. Q4 Explain various enzymes involved in drug metabolism and their importance.	B.Pharm BP402T			257		257		57	25	es : 01	nber of Pag	²⁵⁷ I Nu i	Tota
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Naphazoline.	(10)		ortance	neir import	n and th	etabolisn	drug r	lved ir	nes invo	us enzyn	Explain vario		Q4
O6 Write the SAR of Anticholineraic drugs	(10) 257	no⊵₅and	3albutar	aline, Sa	Terbut	ctions of	and fui	ction	sm of <u>a</u>			257	Q5
write the SAIX of Antionofficeryle drugs.	(10)						gs.	gic dru	cholinerç	R of Antic	Write the SA		Q6

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Registration No : Total Number of Pages : 01		257	257		257		257	B.Pharm	25	
		4 th Seme	ester Regular	/ Back Exa	minatio	n: 2021-2	2		BP403T	
				H(S): B.Pha		II				
			Max	ne:3 Hour x Marks:75						
An	257 SWe	r Question No.1 (Pa		compulsor	y, any e	257 eight from	Part-II a	257 Ind a	ny two	25
		The figure	fro es in the righ	om Part-III. t hand marg	gin indic	cate mark	(S.			
		· ·	J	Part-l						
Q1	a) b) ⁵⁷	Answer the following Define Colloidal and C Write Gold number wit	oarse dispersion						(2 × 10)	257
	c) d)	What is glidant? Write Define Rheology. Give	any two applic	ations						
	e) f)	What is yield value? What are Bulges and	Spurs?							
	g) h)	Differentiate between Describe carr's index		suspensions						
	i) j }57	Define rate and order Zero order reactions a		pon the conc	entration	of reactan	it. Comme	ent.		257
00		Facused Chart Array	··· T···· O···	Part-II	4	Cavam)			(F + 7)	
Q2	a)	Focused-Short Answ State Edmundson's ed		(5 × 7)						
	b) c)	Give expressions for r What is specific surface					method			
	d)	Explain porosity. Give	it's applications in pharmacy.							257
	e)∍/ f)	 Differentiate between flocculated and deflocculated suspensions. Write HLB scale showing classification of surfactant function 								
	g)	Discuss plastic and ps								
	h) i)	Explain the principle o Explain kinetic propert	•	cometer						
				Part-III	,					
Q3	257	Long Answer Type C Define how shelf life of	•	-	•	257		257	(10)	257
Q4		What are colloids? Giv different types of collo		plain any four	methods	s of prepar	ation of		(10)	
Q5		Define Thixotropy, me	ntion the basic	mechanism a	ınd give i	its applicat	ions in		(10)	

pharmacy.

Q6

257 Explain in detail interfacial properties of suspended particles.

(10)

	257 Regi	stration No : 257 257 257 257 257 257								
Tot	al Nu	mber of Pages : 02	3. Pharm. BP404T							
		4 th Semester Regular / Back Examination: 2021-22								
	257	257 25PHARMACOLOGY- I 257 257								
		BRANCH(S): B.Pharma								
		Time: 3 Hour								
		Max Marks: 75								
۸.		Q.Code: J594	any two							
AI	iswe	r Question No.1 (Part-1) which is compulsory, any eight from Part-II and a from Part-III.	any two							
	257	The figures in the right hand margin indicate marks. 257								
Q1		Part-I	(2 × 10)							
QΙ	a)	Answer the following questions : Define Agonist and Antagonist with examples.	(2 ^ 10)							
	b)	Define Bioavailability and write its significance.								
	c)	Define the term drug dependence and drug addiction.								
	d)	Define plasma half-life (t1/2) and write its significance.								
	e) 57	Write different factors governing for the choice of route of drug administration. 257 Write the mechanism of action of Salbutamol.								
	f) g)	What is SSRIs?								
	h)	Define synergism with examples.								
	i)	Write the mechanism of action of Salbutamol.								
	j)	Name two drugs used in glaucoma.								
00	257	Part-II Focused-Short Answer Type Questions- (Answer Any Seven) 257	(5 3)							
Q2	257	1 ocused-offer Type Questions- (Answer Any Octon)	(5 × 7)							
	a)	Describe the different routes of drug administration with their advantages and disadvantages.								
	b)	Write the differences in pharmacological actions of Anti-cholinesterase and Anti-								
		cholinergic drugs.								
	c)	Describe the pharmacology of Beta adrenergic blockers.								
	d)	Describe the pharmacology of Local anesthetics.								
	e) ₅₇	Describe the pharmacology of skeletal muscle relaxants. 257 257								
	f)	Classify the antiepileptic drugs with examples. Write the mechanism of action of phenytoin.								
	g)	Classify antidepressants. Write the pharmacological actions of Tricyclic								
		antidepressants.								
	h)	Write note on CNS stimulants.								
		Write note on Plasma protein binding.								
	i)									

257		257	257 Long Answer Type Q ı		Part-III ²⁵⁷ wer Any Two)	257	257	257
	Q3	a) b)	Define and classify reco	eptor.	-	anism of drug a	iction.	(3) (7)
	Q4	a)	Define neurohumoral transmission of choline		and explain	briefly the n	eurohumoral	(5)
257		b) 257	Write the pharmacologi		e effects and uses	of cholinergic of	drugs. ₂₅₇	(5) 257
	Q5	a) b)	Define and classify Sec Write the mechanism Benzodiazepines.			and therapeu	itic uses of	(4) (6)
	Q6	a) b)	Classify the drugs used Write pharmacological			odopa.		(5) (5)
257		257	257	257	257	257	257	257
257		257	257	257	257	257	257	257
257		257	257	257	257	257	257	257
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J	Regi	stration No:										
Tota	l N ur	nber of Pages7: 01	257	257	257	,	257	B.Pharma BP405T	?57			
Aı	4 th Semester Regular / Back Examination: 2021-22 PHARMACOGNOSY & PHYTOCHEMISTRY-I BRANCH: B.Pharma Time: 3 Hour Max Marks: 75 257 257 257 Q.Code: J674 257 257 Answer Question No.1 (Part-1) which is compulsory, any seven from Part-II and any two from Part-III. The figures in the right hand margin indicate marks.											
Q1		Part-I Answer the following questions :										
	a) b) ⁷ c) d) e) f)	Define Pharmacognos Write the biological so What is stomatal inde What is mutation? Define secondary me Write the applications	ource and uses x? tabolites.	of Chaulmoog	ıra oil. ²⁵⁷	,	257	2	257			
	g)	Write the biological so		ical constituer	nts of Acacia.							
	h) i) j) ⁷	Define Glycosides. Write the biological so Define Foreign organi		of Tragacanth	257	,	257	2	257			
				Part-II								
Q2	a) b) c) d) e) f) g) h)	Focused-Short Answ Lycopodium spore me Ash value. Write a note on Edible Write the general che Give a note on Resins Define and write the p Explain about natural Write the pharmacogn Give a note on marine	ethod. e vaccines. mical tests of al 257 s. principle of Ayur allergens with shostical profile of	kaloids. ₂₅₇ veda. suitable examp	257	•	257	(5 × 7)	257			
		Long Anguer Time (Dugatiana (Ana	Part-III	- \							
Q3	257	What are crude drugs examples.				detail with	suitable	(10)	257			
Q4		Describe the various	factors affecting	cultivation of	medicinal pla	ant.		(10)				
Q5		Define adulteration of with suitable example	•	nd Explain abo	out different t	ypes of adu	Iterants	(10)				
Q6	257	What is plant tissue c and applications of plant				tional requir	ements	(10)	257			