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Ar	257 Swer Question No.1 (Pa	BF	IARMAC RANCH: Max Mar Time: 3 Q CODE is comp from P	EUTICS-II B.Pharma ks : 100 B Hours E : F105 oulsory, and	I a ny EIGHT	from Pari	257	15PH601
	_		Pai	-t_ I				
Q1	Only Short Answer T	ype Questi	_	_				(2 x 10)
	a) ₂₅₇ Define the term micros	707	•	237	207		257	257
	 b) What do you mean by c) What is the principle of d) Define sol-gel-sol system e) Type-I and Type-II glass f) Explain the term salting g) What do you mean by 	f fill-O-seal sem and statesses are booking out effect	systems we its adva th subjector and how	orkability antages od for water does it influ	nd How doo attack test ence micro	i. (True/Fal: encapsulat	se)	
	h) Define and classify cle i) How are thermo setting j) Give examples of two	g plastics ar	nd thermo	plastic plas used in pa	tics differer		257	257
Q2	Only Focused-Short	Answer Tvi	-	_	wer Anv Ei	iaht out of	Twelve)	(6 x 8)
	 a)₂₅₇Differentiate between the by Naso-lacrimal drainage ophthalmic delivery system. c) Illustrate with neat diaged. d) Explain the layout of an eyout are the various points. f) Distinguish between all 	ype I and ty le system stems. Justi gram the air parenteral i arts of an a	pe II glass influences fy suspension manufactu erosol car	ses ₂₅₇ s bio-availa on techniqu iring area w nister, expla	257 bility of a e of microe ith a neat c in with nea	ctive princencapsulations rincapsulations diagram t diagram	257 iples from on	257
	 g) Explain the two method h) What do you mean calculation i) Classify the types of poor Roults law of vapour 	ds by which by the ter ropellants ur pressure	sterility te m Iso-tor sed in ma	esting is car nicity? Exp nufacturing	ried out as lain cryoso	per IP copic meth	257 od for its a brief note	
	 j) What are plastics, write parenteral preparation. k) Define the process of formulating microenca. l) Based on which pare explain. 	s pacervation psulated pro	phase so	eparation a	nd explain	how it is	utilized in	257

				41 4	Part-III			
257	Q3				Answer Any Two sol products, expl		hem in details	(16) ₂₅₇
	Q4	What are the with suitable		s of admin	istration of parent	eral preparation	n explain each	(16)
	Q5	Discuss brie	efly the formulatio	n aspect o	f ophthalmic prepa	arations		(16)
257	Q6	257Explain brie packing mat		of∄light, t	emperature, oxyg	en and water o	on selection of	(16) 257
257		257	257	257	257	257	257	257
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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257			257 257			NCH: ax Ma		narma 100		257	257	257
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			·	-		Par	rt-III.	-			-	
			i ne tiç	gures i	n tne rig	jnt na	ana m	argın	indica	ate marks	5.	
257	Q1		257 Only Short Answer Ty	na Oua	257		rt-l 2			257	257	257 (2 x 10)
	QΙ	a)	Outline the synthesis ar									(2 X 10)
		b) c)	Why adrenaline is used Outline the synthesis ar			action	of 5-1	Eluorou	ıracil			
		d)	Outline the synthesis ar	nd uses	of Zidovu	ıdine.						
		e) f)	Give the structure, nom Give the structure and r					npheni	col.			
257		g)	Give the structure, nom	enclatu	re and us	es of a	amanta	adine.		257	257	257
		h) i)	Outline the synthesis ar Give the structure and r									
		j)	Give the structure and u									
						_	rt- II					
	Q2	a)	Short Answer Type Qu Classify Local Anaesthe								e structure activity	(6 x 8)
257		,	relationship of local ana	esthetic	CS. 257		2	57		257	257	257
		b) c)	Classify anti-malarial ag Classify antineoplastic a									
		ď)	Discuss briefly Immuno	supress	ives and	immur	nostim	ulants.		•		
		e) f)	Discuss the different the Discuss briefly antiparking							netics.		
		g)	Define and classify opic	id anal	gesics wit	h suita	able ex	cample:				
257		h) i)	Define and classify neu Define and classify anti-						and ad	ld a note o	on Anti-HIV drugs.	257
		j)	Outline the synthesis ar		•		oonbo	diaatar	aaa inl	hihitoro	-	
		k) I)	Discuss briefly about the Discuss briefly about the								inhibitors.	
						Pa	rt-III					
	Q3		Only Long Answer Ty								chamical factures	(16)
257	ŲS		Define and classify ant of β -lactam antibiotics.									257
			penicillins. Outline the s	ynthesi	s of Ampi	cillin a	and Me	thicillin	١.			
	Q4		Define and differentiat									(16)
			examples. Outline the structure activity relation				i Phe	ioparbi	itone a	ind Diaze	pam. Discuss the	
	Q5		What are the differe	nt type	es of e	pileptio	c seiz	zers?	Define	and Cl	assify chemically	(16)
257			anticonvulsants with								Phenytoin and	257
			Ethosuximide.									
	Q6		Define and Classify Ora of Chlorpropamide, To									(16)
			preparations.	ivataiiil	uo anu F	1101110	arrill 1.	Diacus:	3 NIICI	ıy umelel	it types of insulli	

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	Answer	Question No.1 (Part	-	uisory, any ⊑iG irt-III.	on i from Part-	ıı and any ı vv	O from
7		The fig	gures in the right h	-	dicate marks.	257	257
			P	art- I			
	Q1	Only Short Answer T	ype Questions (Ans	wer All-10)			(2 x 10)
	a)	State the Mechanism	of action of Nifedipine	·			
	b)	Tachycardia and H	ypotension are possi	ble adverse effe	cts of nitroglyce	rine state T/F	
7	_	andjustify. 257	257	257	257	257	257
	c)	Why Combination of their single use.	of Magnesium hydrox	ide and aluminu	m hydroxide is i	oreferred over	
	d)	Furosemide increases	ca2+ as well as mg2	+ excretion state	T/F and Justify.		
	e)	Enumerate the diuretic	cs inducing rapid diure	esis and highly ef	ffective in Pulmoi	nary edema.	
	f)	Justify the statements		causes folate def	iciency".		
7	g)	Enumerate any two Pr	257	257	257	257	257
	h)	State the the term co		-	201	201	201
	i)	Enumerate any two 5-	_				
	j)	What do you mean by	Raynaud's Phenome	na?			
			Р	art- II			
7	Q2	Only Focused-Short	Answer Type Quest	ions- (Answer A	Any Eight out of	Twelve)	(6 x 8)
	a)	Illustrate the Mechanis	sm of action and uses	of Potassium sp	aring diuretics.	231	251
	b)	Explain the complication	•				
	c)	Classify Antihypertens CCBs	sive drugs. Write the	mechanism of	action and adve	rse effects of	
	d)	Explain the role of β Asthma.	eta_2 agonists and leuk	otriene antagoni	ists in treatment	of Bronchial	
7	e)	Illustrate the Pharmac	ological action and to	xicity of⊪l₁antihis	staminics.	257	257
	f)	Illustrate the Pathophy	siological role and ac	tions of Prostag	glandins.		
	g)	Write the different met	abolic functions of Vit	amin B ₁₂ .			
	h)	Write the adverse effe	_		•		
	i)	Write the possible the	•		-	Jrokinase.	
	j)	Explain the Mechanisr		•			
7	k)	Illustrate the Pharmac	_				257
	l)	What do you mean by Syndrome?	y Wolff-Parkinson-Wh	ite Syndrome wi	rite the drug the	apy for WPW	

257		257	257	257	257	257	257	257
				Part-III	Ī			
		Only Long Ans	wer Type Ques		Any Two out of I	Four)		
	Q3	Classify Antihyp	pertensive drugs.	. Write details M	lechanism of act T1 receptor) Blo	tion, Adverse eff	ects, and	(16)
257	Q4	257 Classify Diuretic uses of Loop die		²⁵⁷ rmacological act	²⁵⁷ ion, Mechanism	of action and th	²⁵⁷ erapeutic	257 (16)
	Q5		used in Bronchia effects and uses		the Mechanism c	of action, Pharma	acological	(16)
257	Q6		tween antifibrino effects and uses		antiplatelet drugs Clopidrogel.	. Write the mech	nanism of	(16) ²⁵⁷
257		257	257	257	257	257	257	257
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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			The figure	es in the right ha		ndicate marks	i.	
257			257 257	²⁵⁷ Pa	art- I 257	257	257	257
	Q1		Only Short Answer Type	Questions (Answ	er All-10)			(2 x 10)
		a)	Write the biological source	of Rauwolfia?	-			
		b)	What are the applications of		graphy?			
		c)	State the source and utiliza					
		d)	Write the biological source What are the chemical con					
		e) f)	State the preparation of As		of Gokfifu?			
257		g)	Write the botanical source		257	257	257	257
		h)	Name few marketed produ					
		i)	Write the chemical constitu		₋obelia.			
		j)	What is the biological source	ce of Spirulina?				
				ъ.	4 11			
				Pa	ırt- II			
	Q2		Only Focused-Short Ans	-	-	Any Eight out o	of Twelve)	(6 x 8)
257	Q2	a)	Write a note on production	wer Type Questic and utilization of F	ons- (Answer Podophylotoxii		of Twelve)	• •
257	Q2	b)	Write a note on production Illustrate the method of pre	wer Type Questic and utilization of F eparation of Arista.	ons- (Answer Podophylotoxii	1. ₂₅₇	•	• •
257	Q2	b) c)	Write a note on production Illustrate the method of pre Write the botanical source	wer Type Question and utilization of F eparation of Arista. , uses and markete	ons- (Answer Podophylotoxined formulation	n. 257 s of Punarnava.	257	• •
257	Q2	b) c) d)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological sour	wer Type Question and utilization of Feparation of Arista. , uses and markete ce, chemical consi	ons- (Answer Podophylotoxined formulation tituents and us	n. ₂₅₇ s of Punarnava. ses of Colchicum	257	• •
257	Q2	b) c) d) e)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Write the biological source	wer Type Questice and utilization of F eparation of Arista. , uses and markete ce, chemical consi e, chemical test and	ons- (Answer Podophylotoxing ed formulation tituents and used uses of lpec	n. ₂₅₇ s of Punarnava. ses of Colchicum ac.	257	• •
257	Q2	b) c) d) e) f)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Write the biological source Illustrate the utilization and	wer Type Questice and utilization of F eparation of Arista. , uses and markete ce, chemical consi e, chemical test and production of Tro	ons- (Answer Podophylotoxing ed formulation tituents and used uses of Ipec pane alkaloid.	n. ₂₅₇ s of Punarnava. ses of Colchicum ac.	257	• •
257	Q2	b) c) d) e)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Write the biological source	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical constitution of Trochemical constitution of the constitu	ons- (Answer Podophylotoxin ed formulation tituents and used d uses of Ipec pane alkaloid. ents and mark	n. ₂₅₇ s of Punarnava. ses of Colchicum ac.	257	• •
	Q2	b) c) d) e) f) g) h)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, colle	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical consist, chemical test and production of Trochemical constitue column chromatogection and uses of	ons- (Answer Podophylotoxin ed formulation tituents and us d uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇	n. 257 s of Punarnava. ses of Colchicum ac. seted formulation	257 s of Brahmi.	257
	Q2	b) c) d) e) f) g) h) i)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source.	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical consider, chemical test and chemical constitue column chromatog ection and uses of chemical constituents, chemical constituents, chemical constituents, chemical constituents	Podophylotoxined formulation tituents and used uses of lpectopane alkaloid. ents and mark raphy? Coca ₂₅₇ Jents and cher	n. 257 s of Punarnava. ses of Colchicum ac. seted formulation	257 s of Brahmi. 257 hi.	257
	Q2	b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source Enumerate the botanical na	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical test and production of Trochemical constitute column chromatogection and uses of chemical constituted ame, chemical che	ons- (Answer Podophylotoxin ed formulation tituents and us d uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇ ents and cher istituents and	n. 257 s of Punarnava. ses of Colchicum ac. teted formulation 257 nical test of Kurc uses of Gymnem	s of Brahmi. 257 hi.	257
	Q2	b) c) d) e) f) g) h) i)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source.	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical test and production of Trochemical constitute column chromatogection and uses of chemical constituted ame, chemical che	ons- (Answer Podophylotoxin ed formulation tituents and us d uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇ ents and cher istituents and	n. 257 s of Punarnava. ses of Colchicum ac. teted formulation 257 nical test of Kurc uses of Gymnem	s of Brahmi. 257 hi.	257
	Q2	b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source Enumerate the botanical nawrite the vernacular names	wer Type Questice and utilization of Feparation of Arista., uses and markete ce, chemical test and production of Trochemical constitue column chromatog ection and uses of chemical constitue ame, chemical constituence, s, biological source Pa	Podophylotoxined formulation tituents and used uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇ Tents and cher istituents and markete and markete	s of Punarnava. ses of Colchicum ac. seted formulation nical test of Kurc uses of Gymnem d formulations of	s of Brahmi. 257 hi.	257
		b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source Enumerate the botanical nawrite the vernacular names. Only Long Answer Type	wer Type Question and utilization of Feparation of Arista., uses and markete ce, chemical consider, chemical test and production of Trochemical constitue column chromatog ection and uses of chemical constituence, chemical chemical constituence, chemical chem	Podophylotoxined formulation tituents and used uses of Ipecpane alkaloid. ents and mark raphy? Coca ₂₅₇ tents and cherestituents and cherestituents and eand markete art-III er Any Two cocapations.	n. 257 s of Punarnava. ses of Colchicum ac. teted formulation mical test of Kurc uses of Gymnem d formulations of	s of Brahmi. 257 hi. ha. f Amla	257 257
2257	Q2 Q3	b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, colle Write the biological source Enumerate the botanical na Write the vernacular names. Only Long Answer Type Explain the general method	wer Type Question and utilization of Feparation of Arista., uses and markete ce, chemical test and production of Trochemical constitue column chromatog ection and uses of chemical constitue ame, chemical constituence, s, biological sources, biological sources Questions (Answords of extraction and statement of the production of the production and uses of the production of the productions of the productions (Answords of extraction of the production of the prod	Podophylotoxined formulation tituents and used uses of Ipecpane alkaloid. ents and mark raphy? Coca ₂₅₇ lents and cherestituents and cherestituents and eand markete and markete and isolation	s of Punarnava. ses of Colchicum ac. teted formulation mical test of Kurc uses of Gymnem d formulations of	s of Brahmi. 257 hi. na. f Amla ite the biological	257 257 (16)
257		b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source Enumerate the botanical nawrite the vernacular names. Only Long Answer Type	wer Type Question and utilization of Feparation of Arista., uses and markete ce, chemical test and production of Trochemical constitue column chromatog ection and uses of chemical constitue ame, chemical constituence, s, biological sources, biological sources Questions (Answords of extraction and statement of the production of the production and uses of the production of the productions of the productions (Answords of extraction of the production of the prod	Podophylotoxined formulation tituents and used uses of Ipecpane alkaloid. ents and mark raphy? Coca ₂₅₇ lents and cherestituents and cherestituents and eand markete and markete and isolation	n. 257 s of Punarnava. ses of Colchicum ac. teted formulation mical test of Kurc uses of Gymnem d formulations of	s of Brahmi. 257 hi. ha. f Amla	257 257 (16)
257		b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, colle Write the biological source Enumerate the botanical na Write the vernacular names. Only Long Answer Type Explain the general method	wer Type Question and utilization of Feparation of Arista., uses and markete ce, chemical consist, chemical test and production of Trochemical constitute column chromatog ection and uses of chemical constitute ame, chemical constitutes, biological sources, biologica	ens- (Answer Podophylotoxia ed formulation tituents and used uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇ ents and cher astituents and e and markete art-III er Any Two cand isolation ux-vomica.	s of Punarnava. ses of Colchicum ac. teted formulation mical test of Kurc uses of Gymnem d formulations of out of Four) of Alkaloids. Wri	s of Brahmi. 257 hi. na. f Amla ite the biological	257 257
257 257	Q3	b) c) d) e) f) g) h) i) k)	Write a note on production Illustrate the method of pre Write the botanical source Explain the biological source Illustrate the utilization and Write the botanical source, What are the principles of Explain the cultivation, collewrite the biological source. Enumerate the botanical nawrite the vernacular names. Only Long Answer Type Explain the general method source, chemical constitue.	wer Type Question and utilization of Feparation of Arista., uses and markete ce, chemical consider, chemical test and production of Trochemical constitue column chromatog ection and uses of chemical constituence, chemical chemical constituence, chemical chemi	ed formulation tituents and used uses of Ipec pane alkaloid. ents and mark raphy? Coca ₂₅₇ tents and cher estituents and cher estituents and eand markete ent-III er Any Two condition ux-vomica.	s of Punarnava. ses of Colchicum ac. seted formulation mical test of Kurc uses of Gymnem d formulations of out of Four) of Alkaloids. Wr	s of Brahmi. 257 hi. ha. f Amla ite the biological 257 rite the biological	257 257 (16) 257

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		Pa	rt- l				
Q1	Only Short Answer Type Que	estions (Answ	er All-10)				(2 x 10)
	a) Define Haptens and give few e	xamples.					
	b) ₅₇ What is immunological tolerand	ce 37	257		257	257	2
	c) All immunogens are antigens b	out all antigens	are not imi	munoger	ns - Comme	nt.	
	d) Differentiate Cellular and Humo	oral immunity.					
	e) What are plasmids and its role	in gene cloning	g?				
	f) What are Mutagens? Write son	•					
	g) What is HAT media and its use	?					
	h) What is the role of Baffles in a	257	257		257	257	2
	i) Write the advantages of microb		mation?				
	j) What are the uses of amylases	s?					
			rt- II				
Q2	Only Focused-Short Answer	- -	-	-	_		(6 x 8)
	a) What are immunoglobulins? (ferent is		•	
	b) Classify Immunity. Give a note		257 nassive im	munizati	257 on with exa	257 mnles	2
	c) Define Hypersensitivity. Discus		•			•	
	 d) Write about Components and sof protein synthesis. 	• • • • • • • • • • • • • • • • • • • •			•		
	e) Give a Brief account of objective	es and proces	s of protein	n engine	ering with ex	amples.	
	f) Explain the term 'Recombinati 257 applications. 257	ion'. Write brief	fly the step 257	os involv	ed in Gene ²⁵⁷	cloning and its	2
	g) What are Immuno blotting tech blotting.	·	, , , , , , , , , , , , , , , , , , ,		rite in detail	about Southern	
	h) Write note on Microbial biotran						
	i) Write a note of principle and ty	•		•	_		
	j) Discuss in detail about pro- fermentation technology.						
	k) ⁵⁷ What are Biosensors? Write pharmaceutical industry.	about its com	ponents, w	vorking p	orinciple an	d application in	2
	I) Write about the source, produc						

Part-III

				Part-l	II			
257	Q3	Give a brief		estions (Answer A siple involved and fferent fields.	_ _		257 reactions (16)	257
	Q4			ogy? Discuss in example and ad				
257	Q5			257 agram discuss th d of production of			257 ers in a (16)	257
	Q6			n? Discuss methos. Write few applic			with their (16)	
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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			The fig	gures	s in th		_			n in	ndica	te ma	arks.		
				_			Part	. 1							
7	Q1		Only Short Answer T			ions (A	۱ns		df-10)			257		257	(2 x 10) ⁷
		a) b)	Write the objectives of Give the legal definition					etarv	medici	nes	(allor	athic)		
		c)	What is Loan license f	or ma	nufac	ture of	new	v drúو	js?		(Gilor	Janio	<i>)</i> .		
		d) e)	Write the functions of Enumerate the term "I												
		f)	Define schedule "H" a	nd sc	hedule	e "X"									
7		g) h)	What is the role of De- What do you mean by			0.57	tside	e bon	d ²⁵⁷ nde	r Ex	cise l	Duty /	Act?	257	257
		i) j)	State the definition of Define misbranded dru		lrug.										
		3/	Beiline midbranded div	ag.			_								
	Q2		Only Focused-Short	Ansv	ver Ty	pe Qu		art- II ons-	(Ansv	ver .	Any E	Eight	out o	f Twelve)	(6 x 8)
		a)	Describe the various	aspec	ts and	provi	sion	s for							, ,
7		b)	Medical Termination of Write the formula for o	alcula	ation o	f Retai	il pri	ce of						257	257
		c) d)	What are the difference Describe the operation											ınder Narcotic	
			Psychotropic Substan	ces A	ct and	Rules	, 19	85.							
		e)	Illustrate classes of a Remedies (Objectional								accor	aing t	O Dru	igs and Magic	
		f)	Write the constitution and Describe the important						on ani	mal	e				
7		g) h)	Write in details about	First F	Registe	er.			207		Э.	257		257	257
		i) j)	Write the qualification Explain the offence an								Substa	ances	Act a	and Rules.	
		k)	What are the various for Describe the functions	unctio	ons of	PCI?		-	·						
		I)	Describe the functions	OITIE	ailii S	urvey a			ортнеп	il CO)	iee.			
-			Only Long Answer T	vpe C	Questi	ons (A		art-III ver A	nv Tw	ο οι	ut of I	Four)		0.57	0.57
7	Q3		Describe the qualificand Cosmetics Act.											as per Drugs	(16) 257
	Q4		Explain the conditi Biological and other		-				•					anufacture of	(16)
7	Q5		What is Code of Pharmaceutical Ethi and Pharmacist in re	ics w	ith sp	ecial ı	refe	rence	e ² to P						(16) 257
	Q6		Write the constitution Pharmacy Council a								acy C	Counc	cil an	d Joint State	(16)

257		257 257	257	257	257	257	257
		Registration No :					
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		DUAD	6 th Semester Back				
257		257 257	BRANCH Time Max M Q.CO	I : B.Pharma : 3 Hours Marks : 70 DE : F123	257	257	257
			n No.1, which is co gures in the right h			tne rest.	
257	Q1	a) Define Law and Ib) Write the objective	owing questions: Ethics. ves of Pharmacy Act, finition of patent and		257 icines (allopathic).	₂₅₇ (2 x 10)	257
		d) What is Repackinge) Write the duties off) Enumerate the tegg) Define schedule	ng Licence for manufa of Government Analys erm "Drugs" and "Mag "H" and schedule "M"	acture of new drusts. ic remedies".			
257		h) What is the role ofi) State the term "Dj) What is Schedule	rugs Adulterated".	257	257	257	257
	Q2	a) Explain the provi		ession and sale	of poisons accord	ing to (5)	
		b) Write the constitu		DTAB.		(5)	
257	Q3	a)7 Discuss in details		maceutical Ethic	cs with special refe	rence ₂₅₇ (5)	257
		b) Write the offence & Rules 1985.	relation to his Trade. es and panalties of Na	arcotic and Psyc	chotropic substance	es Act (5)	
	Q4		s of advertisements wedies (Objectionable A			Drugs (5)	
0.57		b) Write a short not	e on Central Drugs La	aboratory.		(5)	257
257	Q5	a) Describe the var	²⁵⁷ rious aspects and pro dical Termination of Pr		²⁵⁷ mination of Pregna	257 ancies (5)	257
			nce between Bonded		d laboratory.	(5)	
	Q6	Describe the qu Drugs and Cosm	alification, duties and etics Act.	d procedures of	f Drug Inspector a	s per (10)	
257	Q7	Write the constitution Pharmacy Act, 1	ution and functions of 948.	Pharmacy Coul	ncil of India accord	ing to ²⁵⁷ (10)	257
	Q8	a) Describe the imp	wer on any TWO : ortant points on expe rug Consultative Com nt Act.		nimals.	(5 x 2)	
257		257 257	257	257	257	257	257

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257	,	6 ^t Answer Question	PHARM BRAI Ti Ma Q. No.1 which is	ack Examir A CHEMIST NCH: B.Pha me: 3 Hour ax Marks: 7 CODE: F11 s compulso	arma rs 70 17 ory and any FIV	√E from the re		25
		•	_		rgin indicate i	marks.	(040)	20
Q1 257	a) b) c) d) e) f) g) h)	Answer the follow What is Diel's hydr Give the Structure Give the structure Outline the synthes Give the structure Outline the synthes Outline the synthes Define neuroleptics Give two examples	rocarbon? and nomenclates and therapes and uses of and nomenclates of Methyldos with examples	cure of Haloth ure of imiprar utic uses of c Clonidine ure of Nifedip pa.	mine. liethylstilbestero iine ₂₅₇	I. 257	(2 x 10)	25
	i) j)	Give two examples Give the structure			ory agents.			
Q2	a)	Define and class				Discuss the	(5)	
257	b)	Outline the synthes				257	(5)	25
Q3	a) b)	Define and classify Outline the synthes					(5) (5)	
Q4	a)	Classify local and activity relationship	of local anaes	thetics.	•		(5)	
257 Q5	p)	Outline the synthes Define and classify	_		•	257	(5) (5)	25
237 Q 3	a) b)	Outline the synthes				231	(5) (5)	25
	Q6	Classify sedatives synthesis and give			•	s. Outline the	(10)	
	Q7	Classify diuretics relationship of this chlorthiazide.	azide diuretics	•		•	(10)	
257 Q8		Write short answer	257	257	257	257	(5 x 2)	25
Цo	a) b) c)	CNS Stimulants Antiparkinsonism a Opioid analgesics	_	, .			(5 X 2)	

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To	ta	ΙNι	ımber of Pages : 01	B.Pharm PH.6.7	
	257		6 th Semester Back Examination 2018-19 257 2PHARMACOGNOSY-IV 257 257 257 257 257 257 257 25		257
0	257		257 257 257 257	(2 × 40)	25
Q	ı	a)	Answer the following questions: Define the term crude drug. Give example of crude drug obtain from plant	(2 x 10)	
		b)	sources. Define alkaloids. Write chemical tests of alkaloids.		
		c)	List out the two drugs under Indole alkaloids.		
		d) e)	Write the main chemical constituents and uses of Neem. Name the botanical source, chemical constituents and uses of Punarnava.		
	257	f) g)	What is Glycoalkaloid? Give one example. Write uses of Arjuna and Bale.		25
		h)	Name two marketed product of Brahmi		
		i) j)	What is Stas-Otto process? Explain about Leha.		
Q:	2	a)	Distinguish between Asava and Arista.	(5)	
		b)	Write the Pharmacognosy of opium.	(5)	
Q:	257	a)	Explain general methods of extraction, isolation and chemical tests of	(5)	25
			alkaloids.		
		b)	What is Ergot? Describe its lifecycle.	(5)	
Q۷	1	a)	Write vernacular names, botanical source, chemical constituents, uses and	(5)	
_	• 257	•	marketed formulations of Amla		25
	201	b)	Write details on Tulsi.	(5)	20
Q!	5	a)	Write the biological source, chemical constituents, chemical tests and uses of	(5)	
		,	Withania.	()	
		b)	Write the source of calcium sennosides. How it is useful.	(5)	
Q	257		Write the method of 25 production and utilization of the following phytoconstituents: Quinine and diosgenin	(10)	25
Q	7		Write details on holistic concept of Ayurveda.	(10)	
Q	3	a)	Write short answer on any TWO : Bhasma	(5 x 2)	
	257	b)	Spirulina 257 257 257 257 257 257 257		25
			201 201 201 201 201		20

7	257	257	257	257	257	257	257
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7	257		₂₅₇ PHAR BRAN Tir Ma	RMACOLOGY- ICH: B.Pharm ne: 3 Hours x Marks: 70 CODE: F379 compulsory	II ₂₅₇ aa and any FIVE fro		257
7	Q1 ²⁵⁷ a) b) c) d) e) f)	Write the differed Write the theral Sildenafil is avoid Write shortly at Write the princi Write examples	llowing questions and Ence Types of Bioas peutic uses and ADI bided in persons take bout the mechanism pal pharmacologicals of any two mucokine Angina. Write examples of the second sec	say with examp Rof Timolol. Ing Organic Nitra of actions of Fik I effects of Nifed netic and mast c	ates.True or False.J prinolytics. ipine. ell stabilizers.	²⁵⁷ (2 x 1 ustify.	10) 257
7	g) ²⁵⁷ h) i) j)	Write the thera Give any two e uses.	peutic uses of Potas examples of respirat ant arrhythmia. Wri	sium sparing did ory stimulants a	uretics. ²⁵⁷ and write their the	•	257
7	Q2 a) 257 b)	GTN (Nitroglyc	anism of action and				
	Q3 a) b)		cs. Write the compli mechanism of act			(5) Thiazide (5)	
7	Q4 a) 257 b)	Sumatriptan.	receptor antagoni 257 about the Pathophy	257	257	257	257
	Q5 a) b)	approaches for	etween opioid and treatment of Cough anism,ADR and use			specific (5)	
7	Q6 ₂₅₇		advantages ₂ of Bioas passay. Describe de			Quantal ₇ (10	257
	Q7	Differentiate between antifibrinolytic drugs and antiplatelet drugs. Write the mechanism of action, adverse effects and uses of aspirin and Clopidrogel.)
7	Q8 a) ₂₅₇ b) c)	Plasma volume		: 257	257	(5 x 257	2) 257