	R	egistration No :												
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Ans	swei	257 257 8 th PHARMACE T Question No.1 (Part- 257 257 The figu	1) wh	CS-IV E nich i	(PH/ BRAN Max Tir Q.0	ARMA ICH: x Mar me:: CODI mpul Par	ACEI B.Pl rks: 3 Ho E:F Isory	JTIC narm 100 urs 114 , any	AL T a	ECH HT fi	rom I	Part-	ŕ	15PH801 257 TWO from 257
Q1	e) f) g) h) i)	Only Short Answer Type Write very briefly about to Define partition coefficien Differentiate between Ca ² Describe very briefly about Write the advantages of State the types of biocond Define the potential advantages of State GRDDS; mention Define the term repeat a Write about Transderman	the obnt. arr's incount the contrempatile antageits imperior of the contrempatile antageits imperior of the contrempatile of the contre	ndex a e role olled ole ca es of portar table g Deli	ves of and Hoof pareleas releas irriers liposonce. ts very s	Answer preformation article se drused ome. Syste	er rat size a ug del I for ta m, me	ition. io analysivery argete	systeed dru	m. ig del ypes.	ivery	syste	m. 257	(2 x 10) 257
Q2	a) b) c) d) e) f) g) h) i) k)	Only Focused-Short All Explain the role of differed Discuss about intrinsic is Mention how polymorph What is Pka, describe its Classify oral controlled in Differentiate between lip Explain briefly about Oc Classify the types of IUD Mention the different typ Discuss about various a Write the advantages of Mention the evaluation process.	ent special sp	pectro ity. relat in sole e drug ne and t ²⁵⁷ ntion biode aches rocyte	ed in lubility g delid nand the foegrada used e as co	estion c met formu y stud very s oparti ormula able p for gal	ns- (achods lation ly. system cles 257 ation coolymeastro carrier	in pre	eforme elopm h type ed for ion.	ulatio nent. 257 e. Colo	n stud	dy	257	(6 x 8) 257 ery
Q3		Only Long Answer Typ Describe the protocol physicochemical propert	used	l to	perfo	nswe rm p	reforn	nulatio	on st	tudy.	Disc	uss l	²⁵⁷ briefly vario	257 ous (16)
Q4		Describe the Physicoch for designing controlled					okinet	ic cha	aracte	eristic	s of a	drug	g ideally suit	ed (16)
Q5		Write basic principle and	l form	ulatio	n of A	Alzet v	with p	roper	diagı	ram. 257	7		257	(16)
Q6		Mention the parameters formulation.	resp	onsib	le for	powo	der flo	w pro	operti	es in	desig	n of a	an appropria	ate (16)

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Ar	257 1 SW6 257	8 th Semester Regular Examination 2018-19 PHARM.MANAGEMENT BRANCH: B.Pharma Max Marks: 100 Time: 3 Hours Q.CODE: F119 er Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and a 257 257 from Part-III. 257 257 The figures in the right hand margin indicate marks.	257 Iny TWO 257								
		Part- I	(2 x 10)								
Q1	a) What is Industrial Marketing?b) What is Consumerism?										
	c) What is the role of reference check in recruitment process? d) What is pharmaceutical marketing? e) What is delegation of authority in management? f) What is Bank reconciliation statement?										
	g) h) i) j)	360° appraisal is conducted for the promotion to top management position. Is it true? What do you mean by book keeping in accounting? What is the survey method of demand forecasting technique? What do you understand by the term target market?									
	257	257 Part- 11 257 257 257	257								
Q2	a) b) c) d) 257 e) f) g) h) i) k)	Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) Briefly explain the AIDAS formula. Distinguish between vertical and horizontal marketing system Write a short note on Global Marketing. Explain the different levels of Management & the responsibility they take in organization. Distinguish between leader and Manager. Briefly explain the Scientific Management theory. What are plant layout & factory layout and its objectives? Briefly explain the communication process. Distinguish between journal & ledger. Write a short note on inventory control. Explain different qualities of a pharmacist. What is a demand curve & why does it slopes downward? 257 258 259 257 257 257 257 257 257 257	(6 x 8) 257								
Q3		Part-III Only Long Answer Type Questions (Answer Any Two out of Four) Briefly discuss administrative functions of management starting from planning and ending in controlling.	(16)								
Q4		Briefly discuss the traditional and contemporary techniques of inventory control.	(16)								
Q5	257	Describe the performance evaluation process, along with its techniques.	(16)								
Q6		Briefly explain different distribution channels with special reference to importance of retail industry in pharama business.	(16)								

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100	257		PH803										
Ar	nswe	8 th Semester Regular Examination 2018-19 QUALITY ASSURANCE & GMP BRANCH : B.Pharma Max Marks : 100 Time : 3 Hours Q.CODE : F101 er Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any from Part-III. The figures in the right hand margin indicate marks.	TWO										
		Part- I											
Q1		Only Short Answer Type Questions (Answer All-10)	(2 x 10)										
	a)	State the contents of validation protocol in brief?											
	b)7	Create a fishbone diagram for process characterization study showing cause- effect relationship?											
	c)	Derive the features for ware housing operations?											
	d)	Write the various audit methods for conducting audit activities?											
	e)	Why WHO GMPs guidelines required in quality control department?											
	f)	What are the factors affecting degradation of the products? Explain.											
	g) 7	Determine the basic elements of SOP? Suggest the need for SOP.	257										
	h)	How the complaints can be handled? Explain.											
	i)	Write the types of pre-requisites qualification of process validation?											
	j)	What is line clearance? Write the packaging and labelling instructions?											
		Part- II											
Q2	257	251 251 251 251 251	(6 x ₅ 8)										
	a)	Distinguish between GMP and cGMP? Explain briefly the protocol for various activities?											
	b)	Explain briefly the responsibilities and qualification of personnel?											
	c)	Design the objective, guidelines and procedures for product recall?											
	d)	Explain in brief the cleaning validation procedures and the controlling measures for sanitation maintenance?											
	e) 257	Justify the significance of analytical validation methods for the specifications of the product? 257 257 257	257										
	f)	Explain in brief the standard operating procedures for Dissolution apparatus & PH meter?											
	g)	What is GLP? Analyze the principles and features of the practices in various laboratories?											
	h)	Design the construction and layout of the organization with reference to the quality assurance system?	257										
	i)	Explain the objectives and principles approaches for the audit activities?	201										

Formulate the types of process validation approaches? Explain.

Analyze the documentation features for quality assurance specification?

Explain the monitoring features of regulatory agencies for marketing the product?

j)

k)

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four

Q3	Discuss t	ng Answer Type the salient featur	e Questions (An es and guideline	_		257	(16) 257
Q4	Discuss (Quality audit with	ı suitable exampl	es? Describe	briefly the audit lif	e cycle?	(16)
Q5	Describe examples		of water systen	n for sterile a	and non-sterile p	products? Give	(16)
Q6 25	Discuss t the signif		erating procedure	s for UV spec	trophotometer an	d HPEC? Write	(16)
28	57	257	257	257	257	257	257
25	57	257	257	257	257	257	257
25	57	257	257	257	257	257	257
25	57	257	257	257	257	257	257
25	57	257	257	257	257	257	257

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VO fro	ll and any TW	T from Part-I	y EIGH	ry, any	mpulso	-	1) which	n No.1 (Part	r Questic	swei	An					
	257	cate marks.	in indic		Part-II ht hand	he rig	ures in th	257 The fig		257						
					Part-											
(2 x				All-10)				ort Answer Ty definition of C		a)	Q1					
				lose.				two formulas		b)	_ :					
	Mention the normal values and its significance of any two Hematological tests. What happens when Tetracycline and milk are given together?															
	vhy?	re patients & w								d) e)						
	257	Z5 Y) [ugs.	se of d	ational use	sons behind ir	State rea	f)						
				ction?				examples of D the different ty		g) h)						
					_		•	ou mean by p		i)						
					rolytes.	ent elec	of differen	normal values	State the	j)						
(6)																
•	Explain how Therapeutic drug monitoring helps in better patient care.															
	Name the different hematological tests used in evaluation of disease state. Explain Drug information services.															
	Justify the role of determination of clearance of drug in clinical pharmacy.															
	Explain the Pharmacodynamic aspect of drug interaction. Write notes on the role of pharmacist in rational drug use.															
	Justify the need for dose adjustments for geriatric patents.															
	What are the duties of a Clinical pharmacist towards ward round participation?															
	257	257	-							29) j)						
	Design the drug dosing in details in renal failure patients. Illustrate about the different tests used in Thyroid profile. Elucidate the various aspects of patient counseling.															
						patient	pects of pa	the various as	Elucidate	I)						
		f Four)	o out o		Part-l Inswer A	ions (<i>l</i>	oe Questic	g Answer Ty	Only Lo							
(1	s of a Clinical	about the roles		-		•		he various as	Discuss		Q3					
	257	257		57	25		257	st. 257	pharmac	257						
(1	nteraction with	rmacokinetic ir	on Pha	cusing	ecially fo	ction sp	ug Interact	d describe Dr xamples.			Q4					
(1				rately.	ce elabo	ovigilar	Pharmaco\	ne concept of	Discuss		Q5					
(1		nal disorders.	and rei	cardiac	used in	ry tests	laboratory	lifferent clinica	Classify		Q6					

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	257 8 th Semester Regular Examination 2018 ₋₅₇ 257 HERBAL DRUG TECHNOLOGY	257
	BRANCH : B.Pharma	
	Max Marks: 100	
	Time: 3 Hours	
۸ ۵	Q.CODE: F110	O from
An	swer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TW Part-III.	O from
	257 25 The figures in the right hand margin indicate marks. 257	257
Q1	Part- I Only Short Answer Type Questions (Answer All-10)	(2 × 10)
W I	a) What is healing agent? Write examples of it.	(2 x 10)
	b) Define conventional drugs with suitable examples.	
	c) How the herbal drugs are safety? Justify it with suitable example.	
	d) Write the definition of herbal drug.	
	e) 25 State the definition of nutraceuticals. 257 257	257
	f) What is ash value?	
	g) Write the definition of herbal cosmetics.	
	h) What are the different examples of herbal medicines used in diarrhea?	
	i) Define the term "Quality Control" and "Quality Assurance".i) Enumerate the term "Patent".	
	ji Endinerate the term i atent .	
	Part- II	
Q2	25 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) 57	(6 x 8) ²⁵⁷
	a) Differentiate herbal verses conventional drugs with suitable examples.	
	b) Explain the analytical profile of Aegle marmelos.c) Illustrate the importance of herbal therapies.	
	d) Write down the methods used for determination of extractive value.	
	e) Describe about herbal toxicity and their interactions.	
	f) What are the benefits of patent protection?	
	g) Write the classification of herbal nutraceuticals with suitable examples.	257
	n) vvrite notes on patent application.	201
	i) Explain the preparation methods and uses of herbal medicines against skin	
	infections.j) Write the procedure for determination of pesticide residue for quality control of herbal	
	drugs.	
	k) Explain intellectual property rights with special reference to phytoconstituents.	
	I) Develop the method for determination of tannins from tannin containing drugs.	
	257 257 257 257 257 257 257	257
	Part-III Part-III Only Long Answer Type Questions (Answer Any Two out of Four)	
23	Describe the different parameters for quality control and quality assurance of herbal	(16)
	ingredients as per WHO guidelines.	,
Q4	Explain the preparation of any two numbers of herbal medicines used in the	(16)
	treatment of cold.	
Q 5	Discuss the various advantages of herbal cosmetics. Write some examples of herbs	(16) 257
20	used in the preparation of herbal cosmetics.	(10)
	acca in the proparation of horbar coefficient.	
26	Enumerate the detail analytical profile of Brahmi and Gymnema sylvestre.	(16)

257 Total Nu	257 257 257 257 257 257 257 257 257 257	B.Pharm
	8 th Semester Back Examination 2018-19 CLINICAL PHARMACY AND THERAPEUTICS BRANCH: B.Pharma Time: 3 Hours	PH.8.3
257	257 Max Marks : 70 Q.CODE : F118	257 2
	Answer Question No.1 which is compulsory and any five from the The figures in the right hand margin indicate marks.	e rest.
Q1 a) b)	Answer the following questions: Why milk is contraindicated to use with tetracycline? Define the term gout and write any 2 drugs used for it.	(2 x 10)
c) 257 d) e) f) g) h) i)	Write the adverse effects of cardiac glycosides. Why the irrational use of drug occurs? Write any two examples of beta adrenergic agonist used in asthma. Name any two drugs used for treatment of urinary tract infection? Justify the use of Carbidopa in combination with Levodopa. State any two criteria for selection of essential drugs. Write any two drugs used for treatment of epilepsy. Why alcohol is contraindicated during use of aspirin?	257 2
Q27 a) b)	Justify the ruse of combination of magnesium and aluminum salt as anta and explain mechanism of action of systemic antacid. Explain the strategy to improve rational use of drugs.	cid 257 (5) 2 (5)
Q3 a) b)	Classify the drugs used for treatment of peptic ulcer. Distinguish between stable angina and unstable angina. Explain the drugsed for angina.	(5) ugs (5)
Q4 a) 257 b)	Describe about various preparations of haematinics used in anemia. Explain the management of tuberculosis.	(5) ₂₅₇ (5)
Q5 a) b)	Describe the pharmacokinetic drug interaction with examples. Explain the requirement of Therapeutic drug monitoring and its processes.	(5) (5)
Q6	Define essential hypertension. Classify the drugs used for the treatment hypertension. Write the adverse effect of calcium channel blockers.	of (10)
Q7 257	Describe in detail about the drugs used for treatment of diabetes mellitus a their mechanism of action. ²⁵⁷	and (10) 257 2
Q8 a) b) c)	Write short answer on any TWO: Drugs used in asthma Antidepressant drugs Thyroxin hormone	(5 x 2)

257	257	257	257	257	257	257				
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257	257	Tim Max Q.C	FICAL MANAG CH: B.Pharma le: 3 Hours Marks: 70 ODE: F195	EMENT ⁷	257	257				
		tion No.1 which is								
257	257	figures in the righ	t nand margin	257	257	257				
Q1 a) b) c) d) e)	Answer the for What is the role What do you u What is delega What is a bank 360 degree ap	ellowing questions: e of reference check inderstand by pharmantion of authority in Marcreconciliation statements of the conducted to the conducted the condu	n recruitment pro ceutical marketin anagement? ent?	ocess? og?	(2 x					
257 f) g) h) i) j)	What do you u What is motiva What is survey	nean by book keeping nderstand by the term tion? method in demand fo g is important aspect	r target market?	²⁵⁷ Il product manage	257 ement?	257				
Q2 a) b)		AIDAS formula. nt levels of managem								
Q3 a) b)		s different from a mar ayout and its objective		257	257 (5) (5)					
Q4 a) b)		scientific manageme ote on inventory cont		able.	(5 ₎					
Q5 a) ₂₅₇ b)		tween journal and led nt personal gualities o		257	257 (5)					
Q6	Describe perfo	Describe performance evaluation techniques.								
Q7	Briefly discuss	inventory control tech	nnique.		(10))				
Q8 a)	Demand curve				(5 x	2)				
₂₅₇ b) c)	Communication Staffing function	n process. ₂₅₇ ns.	257	257	257	257				
257	257	257	257	257	257	257				

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Answer Question No.1 which is compulsory and any FIVE from the rest. The figures in the right hand margin indicate marks.												.4 257				
Q1	a)	Answer the following questions : State the terms Quality control and Quality assurance?											(2 x 10))		
	b)	Determine the various analytical validation parameters?														
257	c) d)	Write the criteria of Quality policy for an organization? How the cleaning and sanitation maintenance of the premises and personnel is											3	257		
	e)	done? Why warehousing practices are followed in the storage of materials and												d		
	f)	Determine the role of HVAC system in the environment control?														
	g) h)	State the terms Efficiency and Effectiveness? Write the types of process validation and its importance?														
257	i) j)	Write the responsibilities and qualification of personnel? State the terms MFR and BMR? 257 257 257												257		
Q2	a) b)	Explain the ro Design the va													(5) (5)	
Q3	a) b)	Explain in brid Analyze the ty								nts ca	n be l	nandl	ed?		(5) (5)	
Q 4 ⁵⁷	a) b)	Explain the gu Analyze briefl										ments	s?	257	(5) (5)	257
Q5	a) b)	· · · · · · · · · · · · · · · · · · ·										(5) s (5)				
Q6		Discuss the b	enefit	s, cer	tificat	tion, e	leme	nts ar	nd vai	rious	stand	ards	of ISO	? 257	(10)	257
Q7		Describe the rules?	featu	res o	f GM	P and	d cGI	MP a	s per	drug	s and	d cos	metics	act 8	k (10)	
Q8	a) b) c)	Write short a Total Quality Standard Ope Quality Audit	Mana	geme	ent		:	257			257			257	(5 x 2) 257

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Total	Number of P	ages : 01									-		B.Pharm
257 257 257 257 257 PH 8 th Semester Back Examination 2018-19 COSMETIC TECHNOLOGY BRANCH: B.Pharma Time: 3 Hours Max Marks: 70 Q.CODE: F108 257 Answer Question No.12which is compulsory and any FIVE from the rest. The figures in the right hand margin indicate marks.												PH.E.1 57	
b c d 257 e f f g h	Answer the limportance Define Co Classify co Define and Define and Define and Classify so Classify so Name the	ne following e of humecta upler. osmetics acc is selected a	g que ants i cordir accor ti-oxid anti-c ents. edien	stion n cos ng to i ding dant. dandr	is: metion its us to tas uff aq eye I	c pro- e. ste of gents iner.	ducts a pr	?				257	(2 x 10) 257
	product.) How quali	Write the objectives and significance of the quality control in cosmetic product. How quality control tests of different cosmetic products are carried out discuss in detail.									(5) ²⁵⁷ (5)		
257 Q4 a	Write the o	n preparation composition d explain the	and p 257 colo	orepa r cosi	ratio	n of a 257 S.			produ 257	ucts.		257	(5) (5) 257 (5) (5)
	Primary s Aerosol Primary s Classify	•	257 parat	tions.	Me		the	var	257 ious	ingr		²⁵⁷ s and	(5) (5) (10)
Q7		ie general cl					aw ma	ateria	als us	sed ir	ո Nail բ	oolish,	(10)
Q8 ₂₅₇ a b) Effect of L) Q.C. tests	rt notes on ight on Stab of shampoo	ility	TWO	:	257			257			257	(5 x 2) ₂₅₇