Name: Enrolment No:			VPES				
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dustrial Pha		ster Exam	mation,		ester• V		
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de: BP502T							
ns: No additi	ional material like g			e, <i>etc</i> is allowed for	this examin	ation.	
A 44 4 - 1	n		1 = 20 M	arks)		Maalaa	CO
-							COs
	e correct relation betw	veen angle of	l repose,	type of flow, and ty	be of	1	CO1
pondell	Angle of repose	Type of fl	low	Type of powder			
i	> 25	Excellent		Non cohesive			
ii	25-30	Good		Non cohesive			
111	30-40	Passable		Cohesive			
iv	<40	Very poor	•	Very Cohesive			
a)	i						
/		ay diffraction	n pattern	indicating		1	CO1
a)	Solubility	5	1	8			
b)	Crystallinity						
	e 1						
/		affected by	one of th	e following:		1	CO1
					I		
/			iness				
		rticle size dis	stribution				
· · · · · · · · · · · · · · · · · · ·	•	laca II dmira	0#01			1	C01
	* *	•				1	
						1	COL
-	-		-		a of 66.70/2	1	CO2
a)	w/w saturated	use in water	naving s		1 01 00.770		
b)		ose in water	having s	ucrose concentration	n of 67.6%		
	w/w saturated		-				
c)		rose in water	having s	ucrose concentration	n of 65.7%		
(h							
	dustrial Pha B. Pharm de: BP502T ns: No addition Attempt al What is the powder: i iii iii iii iv a) b) c) d) Select the c a) b) c) d) Flow proper a) b) c) d) The correct a) b) c) d) b) c) b) c) b) c) d) b) c) d) <td< th=""><th>UNIVERSITY OF End Seme dustrial Pharmacy I B. Pharm de: BP502T ns: No additional material like g Attempt all questions from sec What is the correct relation betw powder: Angle of repose i 25 ii 25-30 iii 30-40 iv <40 a) i b) both ii and iii c) iv d) all of the above Select the correct option for X-r a) Solubility b) Crystallinity c) Functional groups d) Permeability Flow property of powders is not a) density and porosity b) particle shape and s c) particle shape and s c) particle size and par d) PH of the material The correct properties of BCS c a) Low solubility, Hig b) High solubility, Hig c) Low solubility, Hig c) Low solubility, Hig b) High solubility, Hig c) Low solubility, Hig b) High solubility, Hig b) High solubility, Hig c) Low solubility, Hig c) Low solubility, Hig b) High solubility, Hig c) Low solubility, Hig b) High solubility, Hig c) Low solub</th><th>UNIVERSITY OF PETROLI End Semester Exam dustrial Pharmacy I B. Pharm de: BP502T is: No additional material like graph paper SEC (20 Q x 1 M Attempt all questions from section A. What is the correct relation between angle o powder: Angle of repose Type of f i 25-30 Good iii 30-40 Passable iv <40 Very poor a) i b) both ii and iii c) iv d) all of the above Select the correct option for X-ray diffractio a) Solubility b) Crystallinity c) Functional groups d) Permeability Flow property of powders is not affected by a) density and porosity b) particle shape and surface rough c) particle size and particle size dis d) PH of the material The correct properties of BCS class II drugs a) Low solubility, High permeabili b) High solubility, High permeabili c) Low solubility, High permeabili d) High solubility, High permeabilit d) High solubility, High permeabilit d) High solubility, High permeabilit</th><th>UNIVERSITY OF PETROLEUM AI End Semester Examination, dustrial Pharmacy I B. Pharm de: BP502T ss: No additional material like graph paper, log tabl SECTION A (20 Q x 1 M = 20 M Attempt all questions from section A. What is the correct relation between angle of repose, powder: Angle of repose Type of flow i 25 Excellent ii 25-30 Good iii 30-40 Passable iv <40 Very poor a) i b) both ii and iii c) iv d) all of the above Select the correct option for X-ray diffraction pattern a) Solubility b) Crystallinity c) Functional groups d) Permeability Flow property of powders is not affected by one of th a) density and porosity b) particle shape and surface roughness c) to solubility, High permeability b) High solubility, High permeability d) High solubility, High permeability d) High solubility, High permeability d) High solubility, High permeability d) It is solution of sucrose in water having s w/w saturated d) It is solution of sucrose in water having s w/w, unsaturated</th><th>UNIVERSITY OF PETROLEUM AND ENERGY ST End Semester Examination, December 2022 dustrial Pharmacy I Sem B, Pharm Dur de: BP502T Ma s: No additional material like graph paper, log table, etc is allowed for SECTION A (20 Q x 1 M = 20 Marks) Attempt all questions from section A. 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Q 6	Elixirs are described as	1	CO2
-	a) viscous liquid preparations that are used for the treatment of cough.		
	b) clear, sweetened, aromatic, hydro-alcoholic preparations meant for oral		
	use		
	c) liquid or semi- liquid preparations meant for external application to the		
	skin. d) aqueous solutions used for treating throat infection (pharynx and		
	nasopharynx part).		
Q 7	Carr's Index is related to	1	CO1
	a) flow property		
	b) solubility		
	c) partition coefficient		
	d) all of the above		
Q 8	Type A gelatin is derived from precursor that exhibits an iso-electric	1	CO4
	point at pH		
	a) alkali treated & 4.7		
	b) acid treated & 9		
	c) alcohol treated & 3		
	d) none of the above		
Q 9	$TiO_2(0.2-1.2\%)$ is used in capsule shell as	1	CO4
	a) opacifying agent		
	b) plasticizer		
	c) preservative		
0.40	d) thickening agent		
Q 10	Granulation process is used in tablet formulation to:	1	CO3
	a) improve flow and compression characteristics		
	b) improve content uniformity		
	c) improves the Compressibility		
0.11	d) all of the above Separation of top of tablet material from the main tablet body is known as	1	CO4
Q 11		1	04
	a) capping b) chipping		
	c) mottling d) lamination		
Q 12	Why lubricants are not added along with the other ingredients during granulation?	1	CO3
×		-	000
Q 13	Write the importance of plasticizers in film coating of tablets.	1	CO3
Q 14	Enlist steps of sugar coating in tablets.	1	CO2
Ų I4	Linist steps of sugar coating in tablets.	1	
Q 15	Identify the correct use of Zein/ Shellac in sugar coating:	1	CO2
	a) to round the tablet edges build up the tablet size		
	b) to seal tablet core		
	c) to cover and filling imperfections		
	d) to obtain desired lusters		
Q 16	Concentration of solids used in ophthalmic suspensions should be	1	CO3
	a) less than 5%		

	b) less than 10%			
	c) less than 15%			
	d) less than 30%			
Q 17	Write the importance of granulation in tablet formulation.	1	CO3	
Q 18				
	115% of the label amount for 9 of 10 capsules, with no unit outside the range of 70%			
	to 125% of label amount.			
	a) True			
	b) False Which of the polymorphic form of drug has maximum solubility?			
Q 19	1	CO3		
	a) Stableb) Metastable			
	c) Unstable			
	d) Amorphous			
Q 20	Cold cream is type of emulsion.	1	CO3	
	SECTION B (20 Marks)			
	(2 Q x 10 M = 20 Marks)			
	Attempt any two questions from section B.			
Q 1	What are pre-formulation considerations in the pharmaceutical product development?	5+5	CO1	
	State the impact of pre-formulation studies on stability of dosage forms.			
Q 2	Discuss quality control tests for parenteral formulations.	10	CO4	
Q 3			CO2	
	empty hard gelatin capsule shells.			
	SECTION-C (35 Marks)			
	(7 Q x 5 M = 30 Marks)	1	1	
	Attempt any seven questions from section C.	Marks		
Q 1	Differentiate between flocculating and deflocculating suspensions.	5	CO4	
Q 2	Define primary packaging materials. Describe various factors affecting container	1+4	CO5	
	selection for packaging of pharmaceutical products.			
Q 3	Explain various evaluation parameters of aerosol systems.	5 5	CO5	
Q 4	Explain the mechanism that support formation and growth of pellets.		CO2	
Q 5	Write a note on various tablet compression defects with their remedies.		CO3	
२ २			~ ~ •	
Q 6	Write a note on various formulation factors to be considered in the preparation of	5	CO3	
Q 6	ophthalmic dosage forms.			
Q 6 Q 7	ophthalmic dosage forms. Define cosmetic preparations. What are qualities of good lipsticks.	1+4	CO5	
Q 6	ophthalmic dosage forms. Define cosmetic preparations. What are qualities of good lipsticks. State which physicochemical properties of the drugs are determined during			
Q 6 Q 7	ophthalmic dosage forms. Define cosmetic preparations. What are qualities of good lipsticks.	1+4	CO5	