

## **BRAINWARE UNIVERSITY**

## D. Pharm Part I Examination 2018 - 19

Programme-Diploma in Pharmacy

Course Name - Pharmaceutics I

Course Code - 1.1T

(D. Pharm first year final)

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1 11116- 76	1101111111	THE STREET

Full Marks: 80

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

	Gro	up –A		
	(Multiple Cho	ice Type Question)	$20 \times 1 = 20$	
1. (i)	Choose the correct alternative from the According to I.P., sucrose concentration	A CONTRACTOR OF THE CONTRACTOR		
	a. 66.67% w/w	b. 60.74% w/w		
	c. 75.87% w/w	d. 55.56 % w/w		
(ii)	Liniments are used in -			
	a. Broken skin	b. Intact skin		
	c. Internal application	d. Intranasal route		
(iii)	Dusting powders should be passed throug	gh sieve no to enhance its e	ffectiveness.	
	a. 85	b. 60		
	c. 40	d. 20		
(iv)	2-chlorobuta-1,3-diene is commonly known as-			
	a. Butyl rubber	b. Nitrile rubber		
	c. Neoprene rubber	d. Silicone rubber		
(v)	Transmission of gases, vapours, liquids through plastic packaging system is known as-			
	a. Permeation	b. Leaching		
	c. Sorption	d. Alteration		
(vi)	Which one of the following is used to	adjust tonicity?		
	a. Dextrose	b. Sodium chloride		
	c. Calcium carbonate	d Ferrous sulphate		

(vii)	Which mill produces finer particles?			
	a. Cutter mill	b. Roller mill		
	c. Crusher mill	d. Fluid energy mill		
(viii)	Enteric coated tablets are disintegrated			
	a. Oral cavity	b. Stomach		
	c. Intestine	d. Colon		
(ix)	"Impact" is the mechanism of size reduction for which of the following mill?			
	a. Roller mill	b. Cutter mill		
	c. Hammer mill	d. Fluid energy mill		
(x)	from-			
	a. Oxidation	b. Reduction		
	c. Hydrolysis	d. Photo-degradation		
(xi)	Cold cream is a-			
	a. O/W emulsion	b. W/O emulsion		
	c. Solution	d. Suspension		
(xii)	(xii) Which of the following is not a mixing mechanism?			
	a. Diffusion	b. Shear		
	c. Conduction	d. Convection		
(xiii)	The percentage of ethanol in elixir var	ries between-		
	a. 2-10 %	b. 2-20 %		
	c. 4-30 %	d. 4-40 %		
(xiv)	The process of complete removal of m	nechanically admixed water is known as-		
	a. Desiccation	b. Distillation		
	c. Evaporation	d. Sublimation		
(xv)				
	a. Particle size	b. Density		
	c. Particle size and density	d. Shape		
(xvi)		t a particular pressure, the process is known as		
	a. Digestion	b. Infusion		
	c. Percolation	d. Maceration		
(xvii)	What is the storage temperature of Tet			
	a. 0 - 4° C	b. 2 - 8° C		
	c. 8 - 25° C	d. 25 - 40° C		
(xviii)	Preparation of fine emulsion from coarse emulsion is called as-			
	a. Size reduction	b. Homogenization		
	c. Mixing	d. Creaming		

(xix)	A preparation which is free from vial	ale microorganism is called	
(XIX)			
	a. Pasteurized product	b. Sterile product	
	c. Lyophilised preparation	d. Culture medium	
(xx)	Mantoux test is carried out for-		
	a. Diphtheria	b. Tuberculosis	
	c. Cholera	d. Hay fever	
	C. Cholora		
	Gro	oup – B	
		er Type Questions) $8 \times 5 =$	= 40
		er Type Questions)	70
	wer any eight from the following		
2.		e 120 g of a 2% hydrocortisone ointment	2+3
2	using a 1% ointment and a 2.5% ointm		5
3. 4.	<ul><li>Write a note on weight variation test for tablets according to I. P.</li><li>With a labeled diagram briefly discuss about planetary mixer.</li></ul>		
5.			
6.	Write about the factors affecting evapo		5 5 5 5
7	With a neat diagram, describe cutter m		7.50
8	and the second s	more effective than dry heat method. Write	3+2
0	the advantages and disadvantages of m		E
9	Briefly discuss the preparation of soft a		5 5 5
- 11	<ul> <li>10 Discuss about drug- plastic interaction.</li> <li>11 Write a note on effervescent granules.</li> </ul>		
	Gre	oup – C	
	(Long Ansv	wer Type Questions) 2 ×10 =	= 20
Ansv	ver any two from the following		
12.		onstruction and working of fluidized bed	10
13.	Write in details about manufacturing de	efects of tablet.	10
14.	With a neat labeled diagram explain the	e process of percolation.	10