

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)

Time allotted: 3 Hours 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.]

	Gı	roup –A			
	(Multiple Ch	hoice Type Question)	$20\times1=20$		
1. (i)	Choose the correct alternative from the following According to I.P., sucrose concentration in simple syrup is-				
	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 through sieve no to enhance its effectiveness				
	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 in-			
	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)	Amber colour mainly gives protection 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)	Which of the following is not a mixing	g mechanism?		
	a. Diffusion	b. Shear		
	c. Conduction	d. Convection		
(xiii)	The percentage of ethanol in elixir varies between-			
	a. 2-10 %	b. 2-20 %		
	c. 4-30 %	d. 4-40 %		
(xiv)	The process of complete removal of mechanically admixed water is known as-			
	a. Desiccation	b. Distillation		
	c. Evaporation	d. Sublimation		
(xv)	In cyclone separator, a powder is separated depending on its-			
	a. Particle size	b. Density		
	c. Particle size and density	d. Shape		
(xvi)	When a drug is extracted by heating at a particular pressure, the process is known as			
	a. Digestion	b. Infusion		
	c. Percolation	d. Maceration		
(xvii)	What is the storage temperature of Tetanus toxoid vaccine?			
	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 viable microorganism is called-			
, ,	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		
	Gre	oup – B		
	(Short Answ	er Type Questions)	$8 \times 5 = 40$	
Ansv	wer any eight from the following			
2.	What is apothecaries system? Prepar using a 1% ointment and a 2.5% ointm	·	ntment 2+3	
3.	Write a note on weight variation test for		5 5 5 5 5	
4.	With a labeled diagram briefly discuss about planetary mixer.			
5.	Briefly discuss the steps involved in sugar coating.			
6.	Write about the factors affecting evaporation.			
7	With a neat diagram, describe cutter m			
8	Explain why moist heat sterilisation is the advantages and disadvantages of m	· · · · · · · · · · · · · · · · · · ·	Write 3+2	
9	Briefly discuss the preparation of soft §	-	5 5 5	
10	Discuss about drug- plastic interaction.			
11	Write a note on effervescent granules.		5	
	Gre	oup – C		
	(Long Answ	wer Type Questions)	$2 \times 10 = 20$	
	ver any two from the following		1 40	
12.	With a neat diagram write the theory, co	onstruction and working of fluidized b	ed 10	
13.	dryer. Write in details about manufacturing de	efects of tablet	10	
14.	With a neat labeled diagram explain the		10	
17.	with a heat fabeled diagram explain the	process of percolation.	10	

Page 3 of 3