

BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

Programme-Bachelor of Pharmacy

Course Name - Pharmaceutics I

Course Code - BP103T

(Semester - 1)

Time allotted:3 Hours Full Marks: 75

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

Group -A

(Multiple Choice Type Question) $20 \times 1 = 20$ 1. Choose the correct alternative from the following Sucrose concentration in Syrup IP is (i) a. 66.67% w/w b. 64.74% w/w c. 85% w/v d. none Lotion is used (ii) a. with rubbing b. without rubbing all internally d. Surgical dusting powder must be free from (iii) a. Micro-organism b. Fine particle c. Living micro-organism & d. none spores Pastes are very thick and stiff because, it contains (iv) a. Less proportion of fine powder b. High proportion of fine powder c. Highly viscous material d. none Grittiness of the dusting powder is removed by passing the powder through a sieve of (v) sieve no.

b. 120

d. 40

a. 100

c. 80

(vi)) 100° proof spirit contains ethanol				
	a. 100%	b. 57.15%			
	c. 42.85%	d. 11%			
(vii)	1 drop means				
	a. 0.06 ml	b. 1 minim			
	c. Both a & b	d. none			
(viii)	Calamine lotion is pink in colour due to presence of				
	a. zinc oxide	b. ferric oxide			
	c. phenol	d. calcium hydroxide			
(ix)	Cold cream means				
	a. o/w emulsion	b. w/o emulsion			
	c. none	d. both a &b			
(x)	1 st edition of IP was published in the year of				
	a. 1985	b. 1966			
	c. 1955	d. 1945			
(xi)	Elixirs are				
	a. Aqueous solution	b. Alcoholic solution			
	c. Hydro-alcoholic solution	d. Oily solution			
(xii)	Which one of the following is used as an isotonic adjuster?				
	a. dextrose	b. sodium chloride			
	c. none	d. both a & b			
(xiii)	In an emulsion complete separation of two phases is known as				
	a. Creaming	b. Cracking			
	c. Sedimentation	d. Phase inversion			
(xiv)	Which of the following is not a suspending agent				
	a. Gum acacia	b. Tragacanth			
	c. Guar gum	d. soap			
(xv)	HLB value of emulsifying agents used for the preparation of w/o emulsion is				
	a. 3-6	b. 7-9			
	c. 8-18	d. 13-15			
(xvi)	Cocoa butter is used as				
	a. Aqueous base	b. Emulsifying base			
	c. Oleaginous base	d. None			

(xvii)	What is the English meaning of "Hora Somni"					
	a. As required	b. Morning time				
	c. Before food	d. Bed time				
(xviii)	Monophasic liquids are					
	a. Colloidal solution	b. Suspension				
	c. Emulsion	d. None				
(xix)						
	a. Millilitre	b. Gallon				
	c. Ounce	d. Minim				
(xx)	Which one of these is anionic surfact:	ant				
	a. Sodium lauryl sulphate	b. Span				
	c. Tween	d. None				
	Gr	oup – B				
	(Short Answer Type Questions)					
Ansv	wer any seven from the following					
2.	Find out the amount of each of 90%, 60%, 30% and water required to produce 500					
3.	Write down the method of evaluation of suppository.					
4.	Write a note on emulsifying agent.					
5.	Describe the flocculated and deflocculated suspension.					
6. 7	What are the factors affecting skin penetration?					
7	Write down the additives used in liquid dosage form.					
8 9	Describe the method of preparation of syrup. 5 Write in brief on physical and chemical incompatibilities. 5					
10	What is suppository & describe the properties of ideal suppository base.					
-0	is suppository as describe the prop	eriting of inear purpopitor, ouse.	5			

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Group - C

		(Long Answer Type Questions)	$2x\ 10 = 20$
Ansv	ver aı	ny <i>two</i> from the following	
11.	(a)	Define Prescription.	2
	(b)	Discuss briefly the parts of prescription.	8
12.	(a)	Define emulsion.	2
	(b)	Discuss the method of preparation of emulsion.	8
13.	(a)	Explain displacement value with its significance.	5
	(b)	Write a note on effervescent granules.	5
