



Pharmaceutical Technology
Brainware University
Barasat, Kolketa-700125

1 x 20=20

BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – D.Pharm-2022
Course Name – Pharmaceutics – Theory
Course Code - ER20-11T
(Year I)

Full Marks: 80	Time : 3:0 Hours	
	Candidates are required to give their answers in their own	

Group-A

words as far as practicable.]

(Multiple Choice Type Question) 1. Choose the correct alternative from the following: (i) Clarification is the term used when the solid content of the product b) Exceeds 10% a) Doesn't exceed 1% d) Exceeds 2% c) Exceeds 5% (ii) Integrity tests are intended for following filters: b) Drum filters a) Leaf filters d) Edge filter c) Membrane filters (iii) Tell the Eighth edition of Indian Pharmacopoeia was published in b) 2014 d) 2022 c) 2018 (iv) Tell Liniments are used in b) Intact skin a) Broken skin d) Intranasal route c) Internal application (v) The rate of filtration increases, if the viscosity of the liquid b) Increases a) Decreases d) Initially increases then decreases c) Does not alter (vi) Judge Dusting powders should be passed through sieve no_____ to enhance its

(vii) Predict the percentage of ethanol in elixir varies between-

effectiveness.

a) 85

c) 40

a) 2-10 %

c) 4-20 %

b) 60 d) 20

b) 4-30 %

d) 4-40 %



(viii) The first U.S.P. was published in:	Barger	
a) Spanish	b) Greek	
c) English	d) English & Latin	
(ix) Which one of the following is not an identification		
a) Dilution test	b) Dye test	
c) Conductivity test	d) Leakage test	
(x) The process of converting vapour from solid s	tate is known as-	
a) Evaporation	b) Distillation	
c) Sterilization	d) Sublimation	
(xi) Which of the following gas is being liberated a	is effervescence?	
a) Nitrogen	b) Nitrogen	
c) Carbon-dioxide	d) Oxygen	
(xii) Which one of the following acts as source of h	leat for most of the evaporators?	
a) Coal	b) Hot water	
c) Oil bath	d) Steam	
(xiii) The fluid flows through the filter medium by t	he virtue of:	
a) Potential difference across the membrane	b) Potential difference across the filte	r
c) Temperature difference across the filter	d) Volume difference across the filter	
(xiv) On what aspect of pressure does the filter lea	f work?	
a) Atmospheric pressure	b) Negative pressure	
c) Normal pressure	d) Pressure is zero	
(xv) Which one of the following is not used as a ve	hicle for liquid dosage forms?	
a) Peppermint water	b) Chloroform wate	
c) Liquefied phenol	d) Purified water	
(xvi) Which is not classified as tablets?		
a) Troches and lozenges	b) Effervescent tablets	
c) Granules	d) Tablet triturates	
(xvii) In which one of the following drying process h		
a) Drum drying	b) Freeze drying	
c) Spray drying (xviii) Ball mill works in the principle of –	d) Tray drying	
	EV E	
a) Cutting c) attrition	b) Impact d) Impact and attrition	
(xix) Which one of the following is most widely use	The state of the s	
a) Steam distillation		
c) Molecular distillation	b) Azeotropic distillation d) Destructive distillation	
(xx) A material is termed bone dry if the moisture		
a) EMC (equilibrium moisture content)	b) Zero moisture	
c) CFMC (critical free moisture content)	d) FMC (free moisture content)	
	ay , me (nee moisture content)	
Gro	oup-B	
(Short Answer	Type Questions)	3 x 10=30
2 Recall various sections in pharmacoutical manuf	acturing plant	(2)
 Recall various sections in pharmaceutical manufacturing plant. Define the terms Quality Assurance and Quality Control 		(3)
Classify Injectable Products with examples		(3)
5. Write advantages and disadvantages of Injectable Products		(3)
6. Write advantages and disadvantages of Emulsions		(3)

Library Pharmaceutical Technology Brainware University Barasat, Kalkata-700125 (3) 7. Define Sieve along with it's construction and types (3)8. Describe Mixing with it's objectives (3)9. Classify sweetening agents with examples 10. Define organoleptic pharmaceutical aids with classification (3)11. Explain about the storage condition of immunological products (3) Define ointments and classify them with suitable examples (3)Group-C 5 x 6=30 (Long Answer Type Questions) (5) 12. Explain rubber and it's ideal properties (5) 13. Define transdermal drug delivery system with classification 14. Define Implantable Drug Delivery Systems with classification (5) (5) 15. Explain advantages of novel drug delivery systems 16. Classify novel drug delivery systems with examples (5) 17. Classify Microencapsulation Drug Delivery Systems with examples (5) Explain Intrauterine Drug Delivery System with proper classification and examples (5)