



BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – B.Pharm-2018/B.Pharm-2019/B.Pharm-2020 Course Name – Industrial Pharmacy I Course Code - BP502T (Semester V)

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)

1 x 20=20

- 1. Choose the correct alternative from the following:
 - (i) Predict the method of checking material thermal stability.
 - a) X-ray diffractometry

- b) Raman spectroscopy
- c) Differential scanning calorimetry
- d) Thermogravimetric analysis
- (ii) Which methods is not used to determined polymorphs
 - a) Hot stage microscopy

b) X-ray powder diffraction

c) Dilatometry

- d) Gas chromatography
- (iii) Write one example of BCS classification class 1 drugs?
 - a) paracetamol

b) aceclofenac

c) cimetidine

- d) Furosemide
- (iv) Which method is not suitable to prepare granules for thermolabile substance?
 - a) Wet Granulation

b) Dry Granulation

c) Direct Compression

- d) none of these
- (v) Which is not the particle size determination methods?
 - a) Sieving

- b) Microscopy
- c) Sedimentation rate method
- d) FTIR
- (vi) When an optically active substance loss its optical activity without changing its chemical composition is known as .
 - a) Photolysis

b) Isomerization

c) Racemization

- d) Photosensitization
- (vii) Crown thickness of a tablet is measured by
 - a) Micrometer

b) Pychnometer

c) Hydrometer

- d) vernier caliper
- (viii) Viscosity of gelatin for soft gelatin capsule should be
 - a) 25-45miliPoise

b) 5-15miliPoise

c) 97-115miliPoise

d) Above 200 miliPoise

(ix) Chilsonator is used for

b) Tablet coating

a) Granulation
c) Capsule filling

- d) Hardness testing of tablet
- D.

(x) Uneven distribution of colour in tablet is called	ed	
a) Orange peel Effect	b) Mottling	
c) Blushing	d) Blistering	
(xi) Cam track guides the movement of		
a) Die	b) Punch	
c) Hopper	d) Feed frame	
(xii) Which method is used to sterilized parentera	I dosage form?	
a) Membrane filtration method	b) Dissolution rate method	
c) Liquid Liquid partition method	d) Thin layer chromatography	
(xiii) Write an example of glidant used in tablet?		
a) magnesium stearate	b) внт	
c) Methylparaben	d) cellulose	
(xiv) What sweetening agent in used in Chewable	tablet commonly?	
a) Mannitol	b) Fructose	
c) Sucrose	d) All of these	
(xv) Which one tablet doesnot require disintegran	it?	
a) Effervescent	b) Sublingual tablet	
c) Multi-layered tablet	d) chewable	
(xvi) Following are the physical parameter for pre	formulation study, Except ?	
a) Solubility	b) Partition Co-efficient	
c) Particle Size	d) Thermal Effect	
(xvii) All of the following are the causes of mottling	except	
a) Use of coloured drug along with colourless	b) Migration of a dye to the surface of	
or white-coloured excipient	granulation while drying	
c) Free rotation of either upper or lower	d) Improper mixing of dye especially d	uring
punch during ejection of a tablet (xviii) Preliminary SHAM test is a part of	direct compression	
	LVIAI AA	
a) Rabbit test c) sterility test	b) LAL test d) Both Rabbit test & sterility test	
(xix) Following factor are responsible for tablet cap		
a) Not thoroughly dried granules	b) Too much dry granules	
c) very much moisture content	d) Unequal distribution of colour	
(xx) Write the % polymorphism of Barbiturates.		
a) 0.5600000000000001	b) 0.63	
c) 0.29	d) 0.58	
(xxi) Which of the following is the Enantiotrophic F	Polymorph?	
a) Sulphur	b) Glyceryl stearate	
c) Benzene	d) Sulphuric acid	
Grou		
(Short Answer T	ype Questions)	5 x 7=35
 Write down disintegration and weight uniformity Explain briefly the role of physical parameters in 		(5)
4. State the differences between flocculated and no		(5) (5)
5. Represent the classification of containers based on method and closure and use.		(5)
6. Differentiate partition co-efficient and distributio		(5)
determination of partition co-efficient.		
7. Express the types of glass containers.		(5)
O	를 통하면 보면 있는데 전에 있는 것이 있다면 하는데 보다 있는데 보다 있다면 있다면 있다면 되었다. 그런데 얼마나 없는데 없는데 없는데 없는데 없는데 없는데 없는데 없는데 없다면 없다면 없다면 다른데 없다면	(5)
Design a table contains different sizes of capsules 8. Explain the raw materials used in the formulation	of Skin care cosmotis are duete	(5)
8. Explain the raw materials used in the formulation		(5)
Explain the LAL test in detail.		(5)

Group-C
(Long Answer Type Questions)

9. Explain chemical properties in preformulation study.
OR
Focus on polymorphism as Preformulation factors in preformulation study briefly.
10. Summarize different types of tablets in detail.
OR
Summarize elaborately about the manufacturing of aerosols with advantages and disadvantages.

(10)
