



## BRAINWARE UNIVERSITY

### Term End Examination 2019 – 20

Programme – Bachelor of Pharmacy

Course Name – Pharmaceutical Analysis I

Course Code – BP102T

(Semester – 1)

Library  
Pharmaceutical Technology  
Brainware University  
Barasat, Kolkata-700125

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 x 1 = 20

1. Answer all the questions
  - (i) Molarity is expressed as
 

a. Number of moles of solute in 1000 ml of solvent.	b. Number of moles of solute in 1000 ml of solution.
c. Number of equivalent weights of solute in 1000 ml solution.	d. None of the above.
  - (ii) How many significant figures are there in 1.6750?
 

a. five	b. four
c. three	d. six
  - (iii) Which of the following is an analytical separation method?
 

a. Polarimetry	b. Coulometry
c. Liquid chromatography	d. Refractometry
  - (iv) The equivalent weight of oxalic acid is:
 

a. 63	b. 55
c. 45	d. 100
  - (v) An acid turns blue litmus paper \_\_\_\_\_
 

a. Red	b. Yellow
c. Violet	d. Pink
  - (vi) Gutzeit apparatus is used in the limit test of \_\_\_\_\_
 

a. Lead	b. Sulphate
---------	-------------

- c. Iron
- (vii) Potassium permanganate is used in  
 a. Non aqueous titration  
 c. Acid base titration
- (viii) Non aqueous titration is carried out for  
 a. water insoluble drugs  
 c. weakly basic drugs
- (ix) Protophilic solvent is  
 a. sodium hydroxide  
 c. potassium hydroxide
- (x) In acidic solution the colour of phenolphthalein is  
 a. pink  
 c. blue
- (xi) The titrant used in Permanganometry is  
 a.  $\text{KMnO}_4$   
 c.  $\text{I}_2$
- (xii) The titrant used in Dichromatometry is  
 a. Potassium dichromate  
 c. Potassium chloride
- (xiii) The titrant used in Bromatometry is  
 a. Potassium bromide  
 c. Both a and b
- (xiv) pH and pOH add upto  
 a. 14  
 c. 8
- (xv) The unit of conductance is \_\_\_\_\_  
 a.  $\text{Ohm}^{-1}$   
 c. Siemen
- (xvi) Adsorption indicators are used in \_\_\_\_\_  
 a. Gay-Lussac method  
 c. Fajan's method
- (xvii) Metal indicator is used in  
 a. Non-aqueous titration  
 c. Complexometric titration
- (xviii) Potassium chromate ( $\text{K}_2\text{CrO}_4$ ) is used as an indicator in \_\_\_\_\_  
 a. Mohr's method  
 c. Fajan's method
- d. Arsenic
- b. Redox titration  
 d. Argentometric titration
- b. weakly acidic drugs  
 d. all of the above
- b. lithium hydroxide  
 d. all of the above
- b. colorless  
 d. yellow
- b. KBr  
 d.  $\text{K}_2\text{Cr}_2\text{O}_7$
- b. Potassium bromide  
 d. Potassium bromate
- b. Potassium bromate  
 d. None of the above
- b. 7  
 d. 2
- b. Mho  
 d. All of the above
- b. Mohr's method  
 d. Volhard's Method
- b. Acid -base titration  
 d. Potentiometric titration
- b. Volhard's method  
 d. None

Library  
 Pharmaceutical Technology  
 Brainware University  
 Barasat, Kolkata-700125

