

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Summer 2017 - 18 Examination

Semester: 1
Subject Code: BP102T
Subject Name: Pharmaceutical Analysis I

Date: 31/05/2018
Time: 10:00 am to 1:00 pm
Total Marks: 75

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)**(20)**

1. In Argentometric titration, titrant is
 - a) Sodium chloride
 - b) Sodium nitrate
 - c) Silver chloride
 - d) Silver nitrate
2. 8.5 ml HCl in 1 litre
 - a) 0.1 M
 - b) 0.01 M
 - c) 0.5 M
 - d) 0.05 M
3. Hydrochloric acid can be standardized by using
 - a) Potassium chromate
 - b) Potassium hydrogen phthalate
 - c) Sodium benzoate
 - d) Sodium carbonate
4. No. of moles of solute present in one litre of solution is known as
 - a) Normality
 - b) Molarity
 - c) Formality
 - d) Molality
5. Assay of Ephedrine hydrochloride is based on _____ type of titration.
 - a) Aqueous
 - b) Redox
 - c) Non aqueous
 - d) Precipitation
6. Water may interfere with non aqueous titration by
 - a) acting as strong acid than the weakly acidic drug
 - b) acting as strong base than the weakly basic drug
 - c) both
 - d) none
7. Conductivity of ion in solution increases with
 - a) Increase in mobility
 - b) Increase in size
 - c) Both a and b
 - d) None
8. _____ can be used as primary standard for standardization of NaOH.
 - a) Sodium carbonate
 - b) Potassium hydrogen phthalate
 - c) Sodium bicarbonate
 - d) Potassium dichromate
9. Potentiometer is used to measure
 - a) Concentration
 - b) EMF
 - c) Temperature
 - d) Conductance
10. Which indicator is used for the estimation of Calcium gluconate
 - a) Crystal violet
 - b) Mordant black II
 - c) Starch solution
 - d) Phenol red
11. In which of the following titration "oxidation-reduction" (Redox) step can be expected
 - a) Acid-base titrations
 - b) Cerimetry
 - c) Complexometry
 - d) Precipitation titration
12. In Mohr's method, indicator used is
 - a) Potassium chromate
 - b) Phenolphthalein
 - c) Methyl red
 - d) Crystal violet
13. Polarizable electrode used in polarography is
 - a) Glass electrode
 - b) Calomel electrode
 - c) Dropping mercury electrode
 - d) Quinhydrone electrode
14. Qualitative analysis of polarography is based on
 - a) Half wave potential
 - b) Electrode potential
 - c) Limiting current
 - d) All of above

