



Symbol of Secularism  
& National Integration

**ANJUMAN-I-ISLAM'S  
KALSEKAR TECHNICAL CAMPUS, NEW PANVEL**

*School of Pharmacy*

Recognized by All India Council for Technical Education and Council of Architecture, New Delhi  
Directorate of Technical Education, Govt. of Maharashtra Affiliated to: University of Mumbai

**F. Y. B. Pharm. (Semester –II)  
Periodic Theory Examination (2011 – 2012)**

**Subject: Pharmaceutical Analysis  
Marks: 10 M**

**Date: - 13/03/12  
Time: - 11.00 am-12.00 pm**

**Q.1 Define** (2)

- a. Monograph                      b. Buffer capacity

**Q.2 Explain monograph of Talc** (2)

**Q3. Explain the following terms: (any two)** (2)

- i) Residual titration.  
ii) Equivalence point.  
iii) Secondary standard.

**Q4. Calculate Hydrogen ion of a solution having pH: 5.69? What do you mean by  $\text{pH} + \text{pOH} = 14$ . The pH of the solution is 8, calculate its  $\text{H}^+$  ion and  $\text{OH}^-$  ion concentration.** (2)

**OR**

**Q4. Discuss in detail about acid-base indicators and theories of acid-base indicator.** (2)

**Q5. What are different types of solvents used in non-aqueous titration?** (2)

**OR**

**Q5. How will you prepare 25ml of 0.1N NaOH from 10% w/v sodium hydroxide?** (2)

**OR**

**Q5. Write short note on Neutralization Curve.** (2)