



Symbol of Secularism
& National Integration

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

School of Pharmacy

*Approved & Recognised 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*

S. Y. B. Pharm. (Semester –III)

Periodic Theory Examination (2012 – 2013)

**Subject: Pharmaceutical Engineering
Time: - 11.00 am-12.00 pm**

**Date: - 5/9/2013
Marks: 15 M**

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- Q1. Write short note on (Any2) 4M
i) Horizontal Tube Evaporator iii) Short tube vertical Evaporator
ii) Rotary pump
- Q2. How scale formation can be minimized in Evaporator? 1M
- Q3. Describe Mier's Supersaturation Theory in detail. 5M
- OR**
- Q3. Describe the factors affecting caking. How it could be prevented? (3+2)5M
- Q4. Classify the pumps. Explain in detail positive displacement pump [5M]