

## 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

	F. Y. B. Pharm. (Semester –II) Periodic Theory Examination (2011 – 2)	012)
Subject: Physical Pharmacy Marks: 10 M	terrodic ricotty Emiliant (2011 2	Date: - 13/03/12 Time: - 11.00 am-12.00 pr
Q1. Explain in detail factor aft	fecting rate of a reaction?  OR	(2)
Q1. Discuss in detail about spr(2)	reading and spreading coefficient als	so drive its equation.
Q2. Enlist various methods to in detail?	determine surface tension of a liquid (2) OR	d. Explain Capillary rise method
Q2. Write a note on Accelerate (2)	ed stability studies (OR) Cause of in	stability and there prevention.
months the concent	ems: (any 2) Intration of a sample of drug was 10 intration was found to be 5.4 mg/ml. We get the decomposition as first order res	What will be the half life of this
ii) Write a note on ads	orption isotherm.	
iii) Write a note on Sur	factants (OR) HLB Value.	
Q4. Write short notes on: (any	two)	(4)
,	solubility and its limitation.	
ii) Critical micelle con		
iii) Optical properties o		
iv) Classification of co	lloids with examples.	