



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*

**T. Y. B. Pharm. (Semester – V)  
Periodic Theory Examination (2013 – 2014)**

Subject: Pharmaceutics-IV  
Marks: 20 M

Date: - 05/09/2013  
Time: - 11.00 am-12.00 noon

**Note: All questions are compulsory.**

Questions	Marks
Q.1 Explain in detail, the process of <u>wet granulation</u> used for manufacturing of tablets. Discuss <u>any one</u> equipment used for the process.	(5 M)
Q.2 Describe stages of compression in a single punch tableting machine.	(3 M)
Q.3 Write short notes on: ( <u>Any 3</u> ) a. Mechanisms of Disintegration b. Direct Compression c. Chilsonator d. Granule characterisation	(6 M)
Q.4 Answer the following in brief: ( <u>Any 2</u> ) a. With a neat, labelled diagram, discuss the manufacturing of Hard Gelatin Capsule shells. b. Enlist the various quality control tests performed on Capsules. Elaborate <u>any one</u> test. c. With a neat, labelled diagram, discuss the Rotary Die Process for manufacture of Soft Gelatin Capsules	(6 M)

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