



**DR.BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE-RAIGAD-402103**

NAAC- B⁺

**YSPMYTC, Faculty of Pharmacy, Wadhe, Satara
End Semester Practical Examination November -2024**

Subject with code: Pharmaceutical Engineering (BP308P)**SEM:III****Marks:35****Class: S.Y.B.Pharm****Time: 9.00 am-5.30 pm**

Batch	A	B	C	D	E	F
	Date 29/11/2024	29 /11/2024	30 /11/2024	30 /11/2024	2/11/2024	2 /11/2024

Q.1 Synopsis	5 Marks
Batch A	
1. State & explain any two application for evaporation	2
2. Explain construction, working & application of fluid energy mill.	3
Batch B	
1. Classify the types of evaporators.	2
2. Sketch the diagram of freeze dryer & discuss its construction, working & application.	3
Batch C	
1. State & explain Stefan-Boltzmann's Law of heat transmission for radiation.	2
2. Illustrate factors influencing evaporation.	3
Batch D	
1. Explain construction, working & application of dehumidifier.	2
2. Enlist types of dryers with its advantages and disadvantages	3
Batch E	
1. What are the different factors effecting rate of filtration?	2
2. Demonstrate the steps involved in Rotary tablet machine in manufacturing of tablets	3
Batch F	
1. What is filter aid? Give examples	2
2. Illustrate basic principle involved in colloidal mill.	3
Q.2 Major Experiment	15 M
To Study the rate of drying & to determine EMC, CMC & CFMC of given wet mass.	
or	
To determine particle size distribution by sieving method	
Q.3 Minor Experiment	10M
To study the effect of surface area on rate of evaporation.	
Or	
To determine the effect of concentration on rate of filtration.	
Q.4 Viva Voce	5M

Internal Examiner

External Examiner