B.Pharm. III sem
Pharmaceutical engineering

[1] To study the effect of surface area on the rate of filtration.
Slurry 1%, 2%, 3%, 4%; Volume 50ml

[2] To study the effect of filter aid on filtration.
(i) Filter aid Conc. 0%, 0.2%, 0.4%, 0.6%, 0.8%;
(ii) Filter aid Conc. 0%, 0.1%, 0.3%, 0.5%, 0.7%
Filter aid: (i) Bentonite, (ii) Chalk, (iii) Talc, (iv) Magnesium Carbonate
Volume: 50 ml

[3] To study the effect of no. of balls on size reduction by ball mill.
Sample: Brick powder, (a) No. of balls (i) 4, (ii) 8
(b) No. of balls (i) 3, (ii) 6

[4] To study the effect of time on size reduction by ball mill.
Sample: Brick powder,
(a) duration of grinding (i) 3 min, (ii) 6min
(b) duration of grinding (i) 2 min, (ii) 4min,
(c) duration of grinding (i) 4 min, (ii) 8min,

[5] To study the size and size distribution of given sample using sieving technique.
Sample: Brick powder, sand powder (a) duration of Sieving (i) 3 min, (ii) 6min
(b) duration of Sieving (i) 2 min, (ii) 4min

[6] To study the effect of surface area on drying rate of given sample.
Slurry 1%, 2%, 3%, 4%;

[7] To determine drying rate of given sample.
Slurry 1%, 2%, 3%, 4%;

[8] To determine dew point temperature.
(i) Conc. of NaCl: 0.5%, (ii) Conc. of NaCl: 1%; (iii) Conc. of NaCl: 2%, (iv) Conc. of NaCl: 3%

[9] To study the rate of filtration of given sample.
Slurry 1%, 2%, 3%, 4%; Volume 50ml