PAPER ID 411527

Printed Page: 1 of 1

Subject Code: BP304T

Roll No:

BPHARMA
(SEM III) THEORY EXAMINATION 2023-24
PHARMACEUTICAL ENGINEERING

TIME: 3 HRS **M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a.	Write the principle of air separator.
b.	Write the use of bag filter.
c.	Write the principle of orifice meter.
d.	Write the principle of cyclone separator.
e.	Define impact.
f.	Classify powders.
g.	Write the principle of tray dryer.
h.	Write the use of drum dryer.
i.	Write a note on turbines.
j.	Define non-ferrous metals.

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a.	Differentiate between solid and liquid mixing.
b.	Write the basic principle of distillation; write its pharmaceutical importance.
c.	Write the objectives and factors affecting evaporation.

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a.	Write the theory and factors affecting filtration.
b.	Write the principle, merits and demerits of perforated basket centrifuge.
c.	Write various types of corrosion; how it can be prevented?
d.	Write the factors affecting size reduction.
e.	Write the construction and working of ball mill.
f.	Write the construction, working, merits and demerits of sieve shakers.
g.	Wrote the principle and working of forced circulation evaporator.