PAPER ID-312089

Roll No: | | | | | | | | | | | | |

MPHARM
(SEM I) THEORY EXAMINATION 2024-25
MODERN PHARMACEUTICS

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.	Define preformulation studies.	CO1	K1
b.	What is response surface method.	CO1	K1
c.	Describe manufacturing process model.	CO	K2
d.	Define URS, DQ, IQ, and PQ.	CO2	K2
e.	List the objectives of current good manufacturing practices.	CO3	K1
f.	Describe the layout of buildings services.	CO3	K1
g.	Define total quality management.	CO3	K1
h.	Differentiate between compaction and compression.	CO4	K2
i.	Classify distribution forces.	CO4	K2
j.	Distinguish students T-test and ANOVA test.	CO	K4

SECTION B

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

a.	Describe production management.	CO3	K2
b.	Contrast onparameters of optimization techniques.	CO1	K4
c.	Discuss the linearity concept of significance.	CO5	K2

SECTION C

3.Attempt any *five* parts of the following: **7x5= 35**

a.	Discuss the physiological and formulation considerations in large and small volume	CO	K2
b.	DescribeICH and WHO guidelines for calibration and validation of equipments	CO2	K2
c.	Explaintheories of dispersion.	CO	K2
d.	Contraston inventory management and control.	CO	K4
e.	Describe physics of tablet compression.	CO	K2
f.	Differentiatevalidation of solid and liquid dosage form.	CO	K4
g.	Discuss heckel plots, similarly factors -f2 and f1.	CO5	K2