

## B.PHARM NEW SYLLABUS 4<sup>TH</sup> YR. 7<sup>TH</sup> SEM

### CO Statement and CO PO MAPPING

Subject	CO label	CO Statement	BTL
PT711	CO 711.1	Recall various terminologies and stoichiometric calculations involved in Pharmaceutical Analysis.	1
	CO 711.2	Illustrate the role of pharmaceutical analysis in the profession.	2
	CO 711.3	Distinguish the various principles of conventional techniques.	4
	CO 711.4	Evaluate the various techniques and tools available for the analysis of any chemical substance.	5
PT712	CO712.1	Recall various terminologies and stoichiometric calculations involved in Pharmaceutical Analysis.	1
	CO712.2	Illustrate the role of pharmaceutical analysis in the profession.	2
	CO712.3	Distinguish the various principles of conventional techniques.	4
	CO712.4	Evaluate the various techniques and tools available for the analysis of any chemical substance.	5
PT713	CO713.1	Develop the pharmaceutical dosage forms by applying various considerations	5
	CO713.2	Understand the criteria for the selection of drugs and polymers to develop the Novel drug delivery system	2
	CO713.3	Apply various approaches to formulate various novel drug delivery systems	3
	CO713.4	Discuss the cGMP aspects in pharmaceutical industry	2
	CO713.5	Classify the responsibilities of QC and QA departments	2
	CO713.6	Explain the process validation methods for pharmaceutical operations	5
PT714	CO714.1	To explain different parameters required for drug delivery.	2
	CO714.2	To choose proper surgical products.	3
	CO714.3	To choose and justify use of proper pharmaceutical packaging materials.	1,3,5

	CO714.4	Develop the ability to formulate different pharmaceutical dosage form.	<b>6</b>
	CO714.5	To build knowledge about formulation development.	<b>3</b>

CO PO MAPPING

Sl. No	Course outcome	Program Outcome											
		O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12
1.	CO 711.1	3	2	1	2	3	2	2	3	3	2	3	1
	CO 711.2	3	1	2	2	1	1	1	2	1	1	1	1
	CO 711.3	3	3	3	2	3	2	2	3	3	1	3	3
	CO 711.4	3	3	2	2	3	2	2	2	3	3	3	3
2.	CO712.1	3	3	2	2	3	1	1	2	1	1	2	2
	CO712.2	2	3	2	3	3	2	2	2	2	2	-	2
	CO712.3	2	3	2	-	-	1	-	-	-	1	-	2
	CO712.4	3	3	-	1	-	2	2	-	-	-	-	2
3.	CO713.1	3	3	3	2	3	2	1	2	1	-	-	3
	CO713.2	2	3	2	3	3	2	2	2	2	2	-	2
	CO713.3	3	3	2	2	2	2	2	2	2	2	-	2
	CO713.4	3	3	3	2	3	2	2	3	3	1	3	3
	CO713.5	3	3	2	2	3	2	2	2	3	3	3	3
	CO713.6	3	3	2	2	3	1	1	2	1	1	2	2
4.	CO714.1	3	1	1	1	-	2	3	2	1	1	1	3
	CO714.2	3	3	1	1	-	2	2	1	3	1	2	3
	CO714.3	3	-	1	1	2	3	-	3	2	2	2	2
	CO714.4	3	3	2	1	3	1	1	2	1	1	2	2
	CO714.5	3	3	3	2	3	2	1	2	1	-	-	3