

NAAC- B⁺

Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

Course outcomes (2025-26)**Name of the course: Industrial Pharmacy-I****Course Code: BP506P****Semester: V****Class: T. Y. B.Pharm****After completion of course students will be able to**

CO	Course Outcomes
BP506PC01	Illustrate physicochemical properties of drug
BP506PC02	Formulate and evaluate solid, liquid, semisolid, sterile dosage form, cosmetic product
BP506PC03	Evaluate marketed formulation of tablet, capsule and pharmaceutical packaging material.

CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP506PC01	3	3	3	3	-	2	3	3	1	2	3
BP506PC02	3	3	3	-	3	2	3	3	1	2	3
BP506PC03	3	3	3	-	-	2	3	3	1	2	3
Average	3	3	3	3	3	2	3	3	1	2	3

Correlation level 1,2,3 as defined below**1- Slight 2- Moderate 3 High****Course co-ordinator****HOD****Principal**

CO-PO mapping Justification**Name of the course: Industrial Pharmacy-I****Course Code: BP506P****Semester: V****Class: T. Y. B.Pharm**

CO No.	PO's Mapped	Level	Justification
BP506PC01	PO1	3	Physicochemical properties of drugs requires a solid understanding of pharmaceutical knowledge, including drug characteristics and their impact on formulation and efficacy.
	PO2	3	Physicochemical properties of drugs involves planning and organizing experiments to assess factors like solubility, stability, and bioavailability.
	PO3	3	Illustrating the physicochemical properties of drugs requires analyzing data and identifying potential issues that could affect drug performance or formulation.
	PO4	3	Use of HPLC to study physicochemical properties of drug
	PO6	2	Illustrating physicochemical properties of drugs demonstrates the professional competence and responsibilities of a pharmacist in understanding and handling drug substances.
	PO7	3	Studying physicochemical properties of drugs requires ethical handling of materials and accurate reporting of experimental results.
	PO8	3	Discussing and explaining physicochemical properties of drugs during viva voce enhances students' scientific communication skills.
	PO9	1	Understanding the physicochemical properties of drugs indirectly supports societal health by ensuring safe and effective medications.
	PO10	2	Illustrating physicochemical properties of drugs involves proper disposal of chemical waste from formulations, ensuring environmentally responsible practices in pharmaceutical science.
	PO11	3	Understanding and illustrating the physicochemical properties of drugs encourages continuous learning to stay updated with new techniques, tools, and advancements in drug formulation and analysis.
BP506PC02	PO1	3	Formulating and evaluating solid, liquid, semisolid, sterile dosage forms, and cosmetic products requires in-depth knowledge of pharmaceutical sciences, including drug properties, formulation techniques, and safety standards.

	PO2	3	Formulating and evaluating various dosage forms and cosmetic products requires careful planning, organization, and execution of each step in the formulation and evaluation process.
	PO3	3	Formulating and evaluating dosage forms and cosmetic products involves analyzing potential problems related to stability, bioavailability, and efficacy, and finding solutions to ensure product quality.
	PO5	3	Formulating and evaluating dosage forms and cosmetic products in groups helps develop leadership skills through task coordination and teamwork during practical sessions.
	PO6	2	Formulating and evaluating dosage forms and cosmetic products reflects the professional competence and responsibilities of a pharmacist in ensuring safe and effective medicines.
	PO7	3	Formulating and evaluating dosage forms and cosmetic products requires ethical considerations, such as patient safety, regulatory compliance, and the quality of ingredients used.
	PO8	3	During viva voce, students demonstrate their ability to communicate their understanding of the formulation and evaluation processes for various dosage forms and cosmetic products.
	PO9	1	Formulating and evaluating dosage forms and cosmetic products contributes to societal health by ensuring the safety, efficacy, and accessibility of medications and personal care products.
	PO10	2	Formulating and evaluating dosage forms and cosmetic products requires proper disposal of chemical waste, ensuring environmentally responsible practices in the pharmaceutical and cosmetic industries.
	PO11	3	Formulating and evaluating various dosage forms and cosmetic products encourages lifelong learning to stay updated with new formulation techniques, technologies, and industry practices.
BP506PC03	PO1	3	Evaluating marketed formulations of tablets, capsules, and pharmaceutical packaging materials requires a deep understanding of pharmaceutical knowledge, including formulation design, quality control, and regulatory standards.
	PO2	3	Evaluating marketed formulations of tablets, capsules, and packaging materials involves planning the assessment process, organizing tests, and ensuring compliance with quality standards.
	PO3	3	Evaluating marketed formulations of tablets, capsules, and packaging materials requires analyzing potential issues such as stability, efficacy, and safety, and proposing solutions for improvement.

	PO6	2	Evaluating marketed formulations reflects the professional responsibility of a pharmacist to ensure product quality, safety, and efficacy.
	PO7	3	Evaluating marketed formulations requires ethical responsibility to ensure accurate reporting, patient safety, and adherence to regulatory standards.
	PO8	3	During the viva voce, students demonstrate their ability to communicate their understanding of evaluating marketed formulations, packaging materials, and their regulatory compliance effectively.
	PO9	1	Evaluating marketed formulations ensures that safe, effective, and accessible medications are available to society, directly contributing to public health.
	PO10	2	Evaluating marketed formulations involves responsible disposal of chemical waste from formulations, ensuring environmentally sustainable practices in pharmaceutical testing and production.
	PO11	3	Evaluating marketed formulations encourages lifelong learning to stay updated with advancements in drug formulation, packaging technologies, and regulatory practices.

Course co-ordinator

HOD

Principal