



NAAC- B⁺

Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

Course outcomes

Name of the course: Medicinal Chemistry-II

Course Code:BP501T

Semester:V

Class: Third Year B.Pharm

After completion of course students will be able to


CO	Course Outcomes
BP501TCO1	Explain physicochemical & pharmacological properties of drugs in class Antihistaminic agents & Anti-neoplastic agents
BP501TCO2	Describe physicochemical & pharmacological properties of drugs in class Anti-angina, Diuretics, Anti-hypertensive Agents
BP501TCO3	Summarize physicochemical & pharmacological properties of drugs in class Anti-arrhythmic Drugs, Anti-hyperlipidemic agents, Coagulant & Anticoagulants & CHF
BP501TCO4	Understand physicochemical & pharmacological properties of drugs acting on Endocrine system
BP501TCO5	Integrate physicochemical & pharmacological properties of drugs in class Antidiabetic agents & Local Anesthetics

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											
BP501TCO1	3	2	1	2	1	2	3	1	2	1	3
BP501TCO2	3	2	1	2	1	2	3	1	2	1	3
BP501TCO3	3	2	1	2	1	2	3	1	2	1	3
BP501TCO4	3	2	1	2	1	2	3	1	2	1	3
BP501TCO5	3	2	1	2	1	2	3	1	2	1	3
Average	3	2	1	2	1	2	3	1	2	1	3
Average Roundup	3	2	1	2	1	2	3	1	2	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator
(S.M. Rohane)


HOD


Principal



NAAC- B⁺

Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501
Course outcomes (2023-24)

Name of the course: Industrial Pharmacy-I

Course Code: BP502T

Semester: V

Class: T. Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP502TC01	Apply the knowledge of preformulation in the development of new dosage form
BP502TC02	Summarise the manufacturing of tablet and liquid orals
BP502TC03	Elaborate formulation and evaluation of hard, soft gelatin capsule and pellets
BP502TC04	Illustrate various considerations in sterile dosage form
BP502TC05	Describe cosmetic product, pharmaceutical aerosol and packaging material science

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											
BP502TC01	3	2	3	1	2	2	2	2	2	1	3
BP502TC02	3	2	3	1	2	2	2	2	2	1	3
BP502TC03	3	2	2	1	2	2	2	2	2	1	3
BP502TC04	3	2	2	1	2	2	2	2	2	1	3
BP502TC05	3	2	1	1	2	1	2	2	2	1	3
Average	3	2	2	1	2	2	2	2	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

HOD

Principal



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Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes

Name of the course: Pharmacognosy & Phytochemistry II [TH]

Course Code: BP504T

Semester: V

Class: -Third Yr.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP504TCO1	Summarize metabolic pathways in higher plants and procedure for determination of metabolites.
BP504TCO2	Discuss in detail about secondary metabolites with their uses & commercial applications.
BP504TCO3	Explain the process of isolation, identification and analysis of phytoconstituents
BP504TCO4	Describe the industrial production, estimation and utilization of the phytoconstituents.
BP504TCO5	Describe basics of phytochemistry, modern methods of extraction, spectroscopy & chromatography.

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											
BP504TCO1	3	2	2	2	1	1	3	1	1	1	3
BP504TCO2	3	3	3	1	1	1	3	1	1	3	3
BP504TCO3	3	3	3	3	2	3	3	3	3	2	3
BP504TCO4	3	2	3	2	3	3	3	2	3	2	3
BP504TCO5	3	3	3	3	3	3	3	3	3	3	3
Average	3	2.6	2.8	2.2	2	2.2	3	2.2	2.2	2.6	3
Average Roundup	3	3	3	2	2	2	3	2	2	3	3

Correlation level 1, 2, 3 as defined below

1- Slight 2- Moderate 3 High



Ms. J. S. Pingle
Course co-ordinator



HOD



Principal
Dr. V. K. Redasani



NAAC- B⁺

Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

Course outcomes (2023-24)

Name of the course: Pharmaceutical Jurisprudence

Course Code: BP505T

Semester: V

Class: T. Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP505TC01	Explain Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals and cosmetics
BP505TC02	Describe regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals and cosmetics
BP505TC03	Elaborate pharmacy act, NDPS act and medicinal and toilet preparation act
BP505TC04	Summarise DMR act, prevention of cruelty to animal act and NPPA
BP505TC05	Discuss pharmaceutical legislation, code of ethics, MTP act, RTI and IPR

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											
BP505TC01	3	3	3	1	3	3	3	2	3	1	3
BP505TC02	3	2	3	1	3	3	3	2	3	1	3
BP505TC03	3	2	3	1	3	3	3	2	3	1	3
BP505TC04	3	2	3	1	3	3	3	2	3	1	3
BP505TC05	3	2	3	1	3	2	3	2	3	1	3
Average	3	2	3	1	3	3	3	2	3	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Mrs. Bhongale P. A.

HOD

Dr. Jadhav P. D.

Principal

Dr. Redasani V. K.



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Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes (2023-24)

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

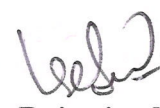
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP506PC01	3	3	3	3	3	3	3	2	2	2	3
BP506PC02	3	3	3	3	3	3	3	2	2	2	3
BP506PC03	3	3	3	3	3	3	3	2	2	2	3
Average	3	3	3	3	3	3	3	2	2	2	3

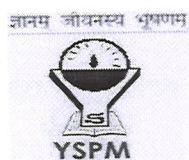
Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator


HOD


Principal



NAAC- B⁺

Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 4150

Course outcomes (2023-24)

Name of the course: Pharmacology II(TH)

Course Code:BP503T

Semester:V

Class: T.Y B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP503TCO1	Discuss the relative pros and cons in the use of drugs for various cardiac complications.
BP503TCO2	Clarify the drugs acting on hematopoietic system, shock, diuretics and anti-diuretics.
BP503TCO3	Identify the role of autocoids and related drugs.
BP503TCO4	Analyze and summarize the drugs acting on endocrine system.
BP503TCO5	Evaluate the physiological role of sex hormones and to assess the effects of oral contraceptives and drugs acting on the uterus also to predict principles of bioassay for various compounds

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											
BP503TCO1	3	1	1	2	1	3	3	2	2	1	3
BP503TCO2	3	2	1	2	1	3	3	2	2	1	3
BP503TCO3	3	1	1	1	1	3	3	2	2	1	3
BP503TCO4	3	2	1	1	1	2	1	2	2	1	3
BP503TCO5	3	2	1	1	1	3	3	2	2	1	3
Average	3	1.6	1	1.4	1	2.8	2.6	2	2	1	3
Average roundup	3	2	1	1	1	3	3	2	2	1	3

Correlation level 1,2,3 as defined below

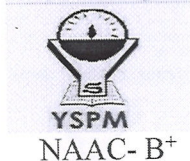
1- Slight 2- Moderate 3 High

Course co-ordinator

(Mrs. R.V. Jadhav)

HOD

Principal



Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501
Course outcomes (PR)(2023-24)

Name of the course: B.Pharm

Course Code: BP507P

Semester: V

Class: T.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP507P1	To learn the importance of physiological salt solutions, to identify the effect of various drugs on isolated frog heart, blood pressure and heart rate of dog and to illustrate the diuretic activity of drugs in mice/rats
BP507P2	To identify the dose response relationship, effect of drugs on DRC and to construct the drug concentrations by various bioassay methods using animal simulator software and to categorize the PA2 and PD2 value of drugs using rat anococcygeus muscle and guinea pig ileum.
BP507P3	To interpret the effect of spasmogens and spasmolytics using rabbit jejunum and to predict various screening models for analgesic and antiinflammatory.

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											
BP507P1	3	3	1	2	1	3	3	2	1	2	3
BP507P2	3	3	1	2	1	3	3	2	1	2	3
BP507P3	3	3	1	2	1	2	3	2	1	2	3
Average	3	3	1	2	1	3	3	2	1	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator
(Mrs. R.V. Jadhav)

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

Course outcomes

Name of the course: Pharmacognosy & Phytochemistry II [PR]

Course Code: BP508P

Semester: V

Class: -Third Yr.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP508PCO1	Perform Extraction & detection of different crude drugs along with morphology, histology & powder characteristics.
BP508PCO2	Perform isolation & detection of active principles, separation of sugars by paper chromatography.
BP508PCO3	Perform Distillation of volatile oils & detection of phytoconstituents by TLC, Extraction of different phytoconstituents.
BP508PCO4	Perform analysis of crude drugs by using different chemical test.

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											
BP508TCO1	3	3	3	2	3	3	3	1	1	1	3
BP508TCO2	3	3	3	2	3	3	3	2	1	1	3
BP508TCO3	3	3	3	3	2	3	3	2	2	2	3
BP508TCO4	3	3	3	2	2	3	3	2	1	1	3
Average	3	3	3	2.5	2.5	3	3	2	1.2	1.2	3
Average Roundup	3	3	3	3	3	3	1	2	1	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

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Principal
Dr. V. K. Redasani