

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 III

Course Code: BP601T

Semester: VI

Class: T.Y.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP601TC01	Explain physicochemical & pharmacological properties of drugs in class Antibiotics.
BP601TC02	Describe physicochemical & pharmacological properties of drugs in class Antimalarial & concept of prodrugs.
BP601TC03	Summarize physicochemical & pharmacological properties of drugs in class Anti-tubercular Agents, Anti tubercular antibiotics, Urinary tract anti-infective agents, Antiviral agents.
BP601TC04	Understand drugs acting on Antifungal agents, Anti-protozoal Agents, Anthelmintics, Sulphonamides and Sulfones with their physicochemical & pharmacological properties.
BP601TC05	Integrate modern techniques of rational drug design like quantitative structure activity relationship (QSAR), combinatorial chemistry and Computer aided drug design.

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											
BP601TC01	3	2	1	2	1	3	1	1	2	1	3
BP601TC02	3	2	1	2	1	3	1	1	2	1	3
BP601TC03	3	2	1	2	1	3	1	1	2	1	3
BP601TC04	3	2	1	2	1	3	1	1	2	1	3
BP601TC05	3	2	1	3	2	3	1	1	2	1	3
Average	3	2	1	2.2	1.2	3	1	1	2	1	3
Average Roundup	3	2	1	2	1	3	1	1	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Ms. Devale R.P.

Course co-ordinator

Dr. Bhagwat A.M.

HOD

Dr. Redasani V.K.

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: Pharmacology-III

Course Code: BP602T

Semester: VI

Class: T.Y.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP602TC01	Describe the drugs acting on Respiratory system and Gastrointestinal Tract
BP602TC02	Explain Principles of Chemotherapy, Sulfonamides, Cotrimoxazole and different Antibiotics
BP602TC03	Illustrate Chemotherapies of tubercular diseases, fungal, malarial, amoebic, leprotic, helminthics and viral diseases
BP602TC04	Understand Pathophysiology and Treatment of Urinary tract infection, sexually transmitted diseases and malignancy, and to have knowledge about immunostimulants and monoclonal antibodies
BP602TC05	Explain toxicology, its definition, principles of treatment of poisoning, clinical symptoms and management of heavy metals poisoning, concepts of chronopharmacology its cycles and its significance

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											
BP602TC01	3	1	2	1	1	3	2	2	2	1	3
BP602TC02	3	1	1	1	1	3	3	2	2	1	3
BP602TC03	3	2	1	1	1	3	3	2	2	1	3
BP602TC04	3	2	1	1	1	3	3	2	2	1	3
BP602TC05	3	2	1	1	2	3	3	2	2	1	3
Average	3	1.6	1.2	1	1.2	3	2.8	2	2	1	3
Average Roundup	3	2	1	1	1	3	3	1	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator
Ms. S. S. Pawar

HOD
Mr. Purane L.M.

Principal



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Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

Course outcomes

Name of the course: Herbal Drug Technology [TH]

Course Code: BP603T

Semester: VI

Class: -Third Yr.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP603TCO1	Explain herbs as raw materials, understand biodynamic agriculture, Indian systems of medicine, preparation & standardization of different Ayurvedic formulations.
BP603TCO2	Describe nutraceuticals, health benefits & role in Diabetes, CVS, IBS, Cancer & GI diseases. Understand the herbs as health food, herb-drug interaction & Herb-Food interactions.
BP603TCO3	Discuss the different herbal raw materials, herbal excipients uses for preparation of herbal cosmetics & herbal formulations.
BP603TCO4	Elaborate evaluation of herbal drugs, ICH guidelines, Study patenting & regulatory requirements of natural products.
BP603TCO5	Outline introduction to herbal Industry, GMP of Indian systems of medicine.

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											
BP603TCO1	3	1	1	2	1	2	3	1	2	2	3
BP603TCO2	3	2	1	1	1	2	2	2	3	1	3
BP603TCO3	3	3	1	1	1	3	3	2	2	1	3
BP603TCO4	3	1	1	1	2	1	2	1	1	1	3
BP603TCO5	3	2	1	1	1	1	2	1	2	1	3
Average	3	1.8	1	1.2	1.2	1.6	2.4	1.4	2	1.2	3
Average Roundup	3	2	1	1	1	2	2	1	2	1	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





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Course outcomes

Name of the course: Biopharmaceutics & Pharmacokinetics

Course Code: (BP604T)

Semester: VI

Class: T.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP604TC01	Explain process of absorption & distribution
BP604TC02	Describe Elimination, Bioavailability & Bioequivalence.
BP604TC03	Apply the knowledge use of plasma drug concentration-time data to calculate the pharmacokinetic parameters.
BP604TC04	Discuss compartmental modeling with open compartmental model.
BP604TC05	Elaborate non linear kinetics with its causes & mechanism equation.

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											
BP604TC01	3	2	2	3	1	2	2	1	2	1	3
BP604TC02	3	2	2	3	1	2	2	1	2	1	3
BP604TC03	3	2	1	2	1	2	2	1	2	1	3
BP604TC04	3	2	2	2	1	2	2	1	2	1	3
BP604TC05	3	2	2	2	1	2	2	1	2	1	3
Average	3	2	1.8	2.4	1	2	2	1	2	1	3
Average Roundup	3	2	2	2	1	2	2	1	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

[Signature]

Course co-ordinator

[Signature]

HOD

[Signature]

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Name of the course: B. Pharmacy

Semester: VI

Course outcomes

Course Code: BP605T

Class: T.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP605TC01	Explain the importance of enzyme immobilization in pharmaceutical industry and classify methods of it.
BP605TC02	Discuss genetic engineering and its applications in relation to production of pharmaceuticals.
BP605TC03	Define Immunoglobulin and State the scope of monoclonal antibodies.
BP605TC04	Elaborate microbials genetics along with Immunoblotting technique and mutation
BP605TC05	Identify the use of microorganisms in fermentation technology.

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											
BP605TC01	3	1	1	2	1	1	2	1	2	2	3
BP605TC02	3	1	1	2	1	1	2	1	2	2	3
BP605TC03	3	1	1	2	2	1	2	2	2	2	3
BP605TC04	3	1	1	3	2	1	2	2	2	2	3
BP605TC05	3	1	1	2	2	1	2	2	2	2	3
Average	3	1	1	2.4	1.6	1	2	1.4	2	2	3
Average Roundup	3	1	1	2.4	2	1	2	1.4	2	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

(Name & Sign)

Course co-ordinator

(Name & Sign)
Dr. P. D. Jadhav
HOD

(Name & Sign)
Dr. V. K. Redasani
Principal



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Course outcomes

Name of the course: Pharmaceutical Quality Assurance

Course Code:BP606T

Semester:VI

Class: Third Year B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP606TCO1	Understand the Quality Assurance, Quality Management concepts, Total Quality Management,ICH Guidelines, Quality by design (QbD), ISO 9000 & ISO14000, NABL accreditation and GMP concepts.
BP606TCO2	Summarize and study organization and personnel , premises, equipments and raw materials for pharmaceutical industry.
BP606TCO3	Interpret Quality control of packaging material and concept of Good Laboratory Practices.
BP606TCO4	Explain the concept of documentation in pharmaceutical industry and concept of complaints.
BP606TCO5	Understand the calibration and validation also study the concept of warehousing and distribution.

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											
BP606TCO1	3	2	1	1	2	3	1	1	2	2	3
BP606TCO2	3	1	-	-	1	2	1	1	2	2	3
BP606TCO3	3	1	-	1	-	2	2	1	2	1	3
BP606TCO4	3	2	2	-	2	2	1	1	2	2	3
BP606TCO5	3	2	2	-	1	2	1	1	2	-	3
Average	3	1.6	1.6	1	1.5	2.2	1.2	1	1.8	1.5	3
Average Roundup	3	2	2	1	2	2	1	1	2	2	3


Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Sandhya P. Kadam

Course co-ordinator


HOD


Principal



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Course outcomes

Name of the course: Medicinal Chemistry III

Course Code: BP607P

Semester: VI

Class: T.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP607PC01	Synthesis and analysis of drugs of medicinal uses
BP607PC02	Perform assay of drug
BP607PC03	Draw structures of drugs using modern tools & determine physicochemical properties of drugs

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											
BP607PC01	3	3	3	2	3	3	1	3	3	2	3
BP607PC02	3	3	3	2	3	3	1	3	3	2	3
BP607PC03	3	3	3	2	3	3	1	3	3	2	3
Average	3	3	3	2	3	3	1	3	3	2	3
Average Roundup	3	3	3	2	3	3	1	3	3	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Ms. Devale R.P.

Course co-ordinator

Dr. Bhagwat A.M.

HOD

Dr. Redasani V.K.

Principal



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Course outcomes (2023-24)

Name of the course: B Pharmacy (Pharmacology-III) **Course Code:** BP608P

Semester: VI

Class: T.Y B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP608PCO1	Acquainted with Dose calculation, pharmacokinetic parameters calculations, activities of antiallergic, anti-ulcer by assay and model and to know the tests for pyrogen and drugs effect on gastrointestinal motility
BP608PCO2	Comprehend the effect of Saline purgative, agonist, antagonist and Insulin hypoglycemic effect in animals and to estimate serum biochemical parameter by semi-autoanalyser
BP608PCO3	Understand the acute toxicities (oral, skin, eye) of substance and determining the biostatistics method (Student's t test, ANOVA, Chi square test, wilcoxon Signed Rank 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											
BP608PCO1	3	1	3	1	2	2	2	1	1	1	3
BP608PCO2	3	1	2	1	2	2	3	1	1	2	3
BP608PCO3	3	2	3	1	2	2	3	1	1	2	3
Average	3	1	3	1	2	2	3	1	1	2	3

Correlation level 1, 2, 3 as defined below

1- Slight 2- Moderate 3 High

Kadam

Course co-ordinator

Mr. P. B. Kadam

[Signature]

HOD

[Signature]

Principal



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Yashoda Technical Campus,
Faculty of Pharmacy Wadhe, NH-4, Satara – 41501

Course outcomes

Name of the course: Herbal Drug Technology [PR]

Course Code: BP609P

Semester: VI

Class: -Third Yr.B.Pharm

After completion of course students will be able to

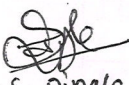
CO	Course Outcomes
BP609PCO1	Perform phytochemical screening of the extracts.
BP609PCO2	Prepare & Evaluate herbal formulations using standardized extracts
BP609PCO3	Evaluate crude drugs & excipients of natural origin.
BP609PCO4	Determine Alcohol, Aldehyde, Phenol & alkaloid content.


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											
BP609TCO1	3	2	1	2	2	2	3	1	1	2	3
BP609TCO2	3	2	1	1	1	3	3	1	1	2	3
BP609TCO3	3	1	1	1	1	3	3	1	1	2	2
BP609TCO4	3	2	2	2	2	3	3	1	2	1	3
Average	3	1.7	1.2	1.5	1.5	2.7	3	1	1	1	3
Average Roundup	3	2	1	2	2	3	3	1	1	2	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. Redaram