



NAAC- B⁺

Name of the course: POC-II

Semester: III

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

Course outcomes

Course Code: BP301T

Class: S.Y.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP301TC01	Explain general methods of preparations, structures, reactions & reactivity of organic compounds.
BP301TC02	Describe structure, mechanisms and orientation reactions, uses of phenols, aromatic amines & aromatic acids.
BP301TC03	Summarize the chemistry & quality determination of fats & oils.
BP301TC04	Understand the synthesis, reactions & uses of polynuclear hydrocarbons.
BP301TC05	Integrate theories & limitations of stabilities of cycloalkanes, reactions of cycloalkanes.

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											
BP301TC01	3	2	2	3	1	2	1	1	2	2	3
BP301TC02	3	2	2	3	1	2	1	1	2	2	3
BP301TC03	3	2	2	2	2	2	1	1	3	2	3
BP301TC04	3	2	2	2	1	2	1	1	2	2	3
BP301TC05	3	2	2	3	1	2	1	1	2	2	3
Average	3	2	2	2.6	1.2	2	1	1	2.2	2	3
Average Roundup	3	2	2	3	1	2	1	1	2	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



NAAC- B⁺

Name of the course: B. Pharmacy

Semester: III

Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes (2023-2024)

Course Code: BP302T

Class: S Y B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP302TC01	Illustrate the concepts of solubility
BP302TC02	Discuss states of matter along with physicochemical properties of drug molecule.
BP302TC03	Interpret the concept of surface and interfacial phenomenon.
BP302TC04	Summarize the principles of complexation, protein binding and use them for stability testing
BP302TC05	Describe the pH, Buffers and isotonic solutions.

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											
BP302TCO1	3	2	1	2	1	1	2	2	1	1	3
BP302TCO2	3	2	1	2	1	1	2	2	1	1	3
BP302TCO3	3	2	1	2	1	1	2	2	1	1	3
BP302TCO4	3	2	1	2	1	1	2	2	1	1	3
BP302TCO5	3	2	1	2	1	1	2	2	1	1	3
Average	3	2	1	2	1	1	2	2	1	1	3
Average Roundup	3	2	1	2	1	1	2	2	1	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.



Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus,

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

NAAC- B⁺

Course outcomes (2023-24)

Name of the course: Pharmaceutical Microbiology

Course Code: BP303T

Semester:III

Class: S.Y. B.Pharm

After completion of course students will be able to

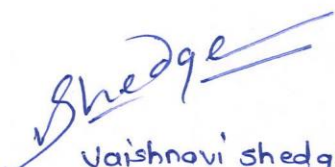
CO	Course Outcomes
BP301TCO1	Explain identification, cultivation, preservation & structure of Bacteria
BP301TCO2	Elaborate sterilization & Disinfection process
BP301TCO3	Explain morphology, classification, reproduction/replication of Virus & Fungi
BP301TCO4	Discuss microbiological standardization of pharmaceuticals with aseptic technique
BP301TCO5	Explain cell culture technology with its application & testing Pharmaceutical product


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											
BP303TCO1	3	3	1	2	1	2	1	2	2	2	2
BP303TCO2	3	2	1	3	1	1	2	2	2	3	3
BP303TCO3	3	1	3	1	1	1	1	1	1	1	1
BP303TCO4	3	2	2	2	1	2	2	2	2	2	2
BP303TCO5	3	1	3	3	2	3	1	2	1	3	2
Average	3	1.8	2	2.2	1.2	1.8	1.4	1.8	1.6	2.2	2
Average Roundup	3	2	2	2	1	2	1	2	2	2	2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Vaishnavi shedge
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: Pharmaceutical Engineering

Course Code: (BP304T)

Semester: III

Class: S.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP304TC01	Elaborate flow of fluids & discuss size separation, size reduction.
BP304TC02	Discuss the concept behind heat transfer, evaporation, distillation in related to the pharmaceuticals.
BP304TC03	Illustrate the process of drying and mixing.
BP304TC04	Describe the method of filtration and centrifugation.
BP304TC05	Explain materials of pharmaceutical plant construction and apply various preventive methods for corrosion pharmaceutical industry.

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											
BP304TC01	3	2	3	3	2	1	3	1	2	3	3
BP304TC02	3	2	3	3	2	1	2	1	2	2	3
BP304TC03	3	2	3	3	2	1	3	1	2	3	3
BP304TC04	3	2	3	2	2	1	3	1	2	3	3
BP304TC05	3	2	3	2	2	1	2	1	1	2	3
Average	3	2	3	2.6	2	1	2.6	1	1.8	2.6	3
Average Roundup	3	2	3	3	2	1	3	1	2	3	3

Correlation level 1, 2, 3 as defined below

1- Slight 2- Moderate 3 Strong

Course co-ordinator

Cs. A. Patil

HOD

Principal



NAAC- B⁺

Name of the course: POC-II

Semester:III

Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes

Course Code: BP305P

Class: S.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP305PC01	Understand laboratory techniques steam distillation, recrystallisation.
BP305PC02	Estimate the analytical constants of fats & oils.
BP305PC03	Synthesis and analysis of drugs with medicinal uses.

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											
BP305PC01	3	3	3	2	3	3	1	3	3	2	3
BP305PC02	3	3	3	2	3	3	1	3	3	2	3
BP305PC03	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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Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes (2023-2024)

Name of the course: Physical Pharmaceutics-I

Course Code: BP306P

Semester: III

Class: S.Y. B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP306PC01	Demonstrate the physicochemical properties of drug molecule
BP306PC02	Acquire the knowledge of surface tension with its determination methods.
BP306PC03	Elaborate the principles of complexations and use them to calculate stability constant.

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											
BP306PCO1	3	3	2	2	3	2	2	3	1	1	3
BP306PCO2	3	3	2	2	3	2	2	3	1	1	3
BP306PCO3	3	3	2	2	3	2	2	3	1	1	3
Average	3	3	2	2	3	2	2	3	1	1	3
Average Roundup	3	3	2	2	3	2	2	3	1	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Mrs. Bhongale P. A.

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NAAC- B⁺

Course outcomes 2023-24

Name of the course: **Pharmaceutical Microbiology**

Course Code: **BP307P**

Semester: **III**

Class: **S.Y. B.Pharm**

After completion of course students will be able to


CO	Course Outcomes
BP307PCO1	Demonstrate equipment used in Pharmaceutical Microbiology
BP307PCO2	Prepare & sterilize culture media with glasswares.
BP307PCO3	Execute methods of identification, isolation, cultivation and preservation of Bacteria.
BP307PCO4	Perform sterility testing of pharmaceutical products.& Carry out microbiological standardization of Pharmaceuticals.


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											
BP307PCO1	3	2	2	2	3	2	1	3	1	3	2
BP307PCO2	3	3	2	3	3	2	1	2	1	2	1
BP307PCO3	3	3	3	3	3	2	1	2	2	2	1
BP307PCO4	3	3	3	3	3	2	1	2	1	2	2
Average	3	2.75	2.5	2.75	3	2	1	2.25	1.25	2.25	1.5
Average Roundup	3	3	3	3	3	2	1	2	1.25	2.25	1.5

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Vaishnavi Shedge
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: Pharmaceutical Engineering

Course Code: BP308P

Semester:III

Class: S.Y. B.Pharm

After completion of course students will be able to


CO	Course Outcomes
BP308PC01	Perform experiments related to the evaporation ,mixing and drying
BP308PC02	Discuss the concept of filtration and investigate the factors affecting on rate of filtration
BP308PC03	Demonstrate different equipments used in pharmaceutical unit operation


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											
BP308PC01	3	3	1	2	2	2	1	1	2	2	2
BP308PC02	3	3	1	2	2	2	1	1	2	2	2
BP308PC03	3	3	1	2	2	2	1	1	2	2	2
Average	3	3	1	2	2	2	1	1	2	2	2
Average Roundup	3	3	1	2	2	2	1	1	2	2	2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Adul Ameri ✓
Course co-ordinator


HOD


Principal