



NAAC- B⁺

Name of the course: HAP-I

Semester: I

Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus,

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

Course outcomes

Course Code: BP101T

Class: I B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP101TC01	Explain gross morphology, anatomy & physiology of various organs & systems of human body their structural organization, life processes, homeostasis, anatomical terminologies and also cellular & tissue level of organization.
BP101TC02	Analyze the importance of integumentary and skeletal system along with their structure & function and also skeletal muscle organization, muscle contraction, neuromuscular junction and joints.
BP101TC03	Appraise the importance of lymphatic & reticulo endothelial system along with body fluids, hemopoiesis, hematology & blood group systems.
BP101TC04	Understand anatomy & physiology of peripheral nervous system, origin and function of spinal & cranial nerves and also special senses and their disorders.
BP101TC05	Explain components, structure & function of cardiovascular system and also conduction system of heart, cardiac cycle, electrocardiogram & disorders of heart.

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											
BP101TC01	3	1	2	2	1	2	1	2	2	1	3
BP101TC02	3	1	2	2	1	1	1	1	2	1	3
BP101TC03	3	1	2	2	1	2	1	1	2	1	3
BP101TC04	3	1	2	2	1	2	1	1	2	1	3
BP101TC05	3	1	2	2	1	2	1	2	2	1	3
Average	3	1	2	2	1	1.8	1	1.4	2	1	3
Average Roundup	3	1	2	2	1	2	1	1	2	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Kadamb

Course co-ordinator

Ms. P. B. Kadamb

[Signature]
HOD

[Signature]
Principal



NAAC- B⁺

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

Course outcomes

Name of the course: Pharmaceutical Analysis-I

Course Code:BP102T

Semester:I

Class: First Year B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP102TCO1	Explain fundamentals of pharmaceutical analysis and basic concepts involved in errors impurities and methods to determine the impurities
BP102TCO2	Understand and explain Acid Base titration and non aqueous titration.
BP102TCO3	Understand and explain complexometric titration, precipitation titrations, gravimetric analysis etc
BP102TCO4	Understand and elaborate redox titration.
BP102TCO5	Explain Potentiometry, Conductometry and Polarography analytical technique

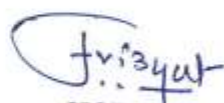
CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP102TCO1	3	3	3	-	1	3	3	2	3	1	3
BP102TCO2	3	3	3	2	1	3	3	2	3	1	3
BP102TCO3	3	3	3	2	1	3	3	2	3	1	3
BP102TCO4	3	3	3	2	1	3	3	2	3	1	3
BP102TCO5	3	3	3	2	1	3	3	2	3	1	3
Average	3	3	3	2	1	3	3	2	3	1	3
Average Roundup	3	3	3	2	1	3	3	2	3	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator
CS.H. Rohane


HOD


Principal

Course outcomes (2023-24)

Name of the course: Pharmaceutics I

Course Code: BP103T

Semester: I

Class: F.Y.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP103TC01	Explain the history of profession of pharmacy and describe the basic knowledge of dosage form, Prescription and posology.
BP103TC02	Solve the problems of pharmaceutical calculations and explain powders, liquid dosage form.
BP103TC03	Compare monophasic and biphasic liquid dosage form
BP103TC04	Summarize preparation and evaluation of suppositories and elaborate the concept of pharmaceutical incompatibilities
BP103TC05	Discuss the semisolid dosage form

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											
BP103TC01	3	3	3	1	2	3	3	3	3	3	2
BP103TC02	3	2	3	2	1	1	2	2	2	1	2
BP103TC03	3	3	2	1	1	1	2	2	2	2	2
BP103TC04	3	2	2	3	1	2	2	2	3	3	2
BP103TC05	3	3	2	3	1	3	2	2	3	3	2
Average	3	3	2	1	1	2	2	2	2	3	2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

(MS. N.D. Nair)
(Name & Sign)

Course co-ordinator

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

(Dr. Y. K. Keshavnar)
(Name & Sign)
Dr. Y. K. Keshavnar
Principal



NAAC- B⁺

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

Course outcomes

Name of the course: Pharmaceutical Inorganic Chemistry

Course Code: BP104T

Semester: I

Class: --I B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP104TC01	Understand official standard books like Pharmacopoeias and understand the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals with the principles of limit tests.
BP104TC02	Explain the medicinal and pharmaceutical importance of inorganic compounds like acids, bases, buffers, different electrolytes and dental products.
BP104TC03	Describe different classes of inorganic pharmaceuticals with its uses and properties like gastrointestinal agents.
BP104TC04	Clarify properties and methods of preparation of inorganic compounds like expectorant, emetics and astringents etc.
BP104TC05	Elucidate the medicinal and pharmaceutical importance of inorganic compounds like radio pharmaceuticals in preventing and curing the disease and disorders.

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											
BP104TC01	3	3	2	2	2	3	3	3	3	3	3
BP104TC02	3	2	3	3	1	2	3	2	3	3	2
BP104TC03	3	2	1	-	-	1	2	-	2	2	3
BP104TC04	3	2	3	3	1	3	3	3	3	3	2
BP104TC05	3	2	3	2	-	2	3	2	2	2	3
Average	3	2.2	2.4	2.5	1.333	2.2	2.8	2.5	2.6	2.6	2.6
Average Roundup	3	2	2	3	1	2	3	3	3	3	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator
Dr. B. V. Choware


HOD


Principal

Name of the course: Communication Skills.

Course Code: BP105T

Semester: I

Class: F.Y B.Pharm

After completion of course students will be able to


CO	Course Outcomes
BP105TC01	Define communication .Explain importance, barriers and perspectives in communication.
BP105TC02	Enlist elements of communication with communication style
BP105TC03	Elaborate listening as well as effective writing communication skills.
BP105TC04	Discribe do's and don't's in interview and presentation.
BP105TC05	Discuss communication skill in group discussion with do's and don'ts.

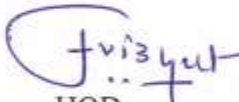
CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
BP105T											
BP105TCO1	1	1	3	1	1	1	1	3	3	1	3
BP105TCO2	1	1	1	1	1	1	1	2	2	1	3
BP105TCO3	2	3	2	2	3	2	1	3	3	1	3
BP105TCO4	1	3	2	2	3	2	1	3	1	1	2
BP105TCO5	1	3	3	3	3	2	1	3	1	1	3
Average	2	3	2.2	2.3	2.2	2	1	2.8	2.6	1	2.8
Average Roundup	2	3	2	2	2	2	1	3	3	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


 Course co-ordinator
 Mr. P. R. Joshi


 HOD
 Dr. A.M. Bhagwat


 Principal
 Dr. V. K. Redasani



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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: Remedial Mathematics

Course Code: BP106RMT

Semester: I

Class: F.Y.B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP106RMT C01	Apply both conventional and creative techniques to the solutions of mathematical problems of Partial fraction, logarithms, function and limits and continuity.
BP106RMT C02	Solve problems of matrices and determinant, Application of Matrices in solving Pharmacokinetic equations.
BP106RMT C03	Solve problems of calculus and its Applications.
BP106RMT C04	Understand the mathematics comprises a Analytical Geometry, Streight line and integration.
BP106RMT C05	Apply range of mathematical techniques effectively to solve problems including Differential Equations, Laplace Transform and its application in solving Chemical kinetics and Pharmacokinetics equations

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											
BP106RMT CO1	3	2	3	2	2	2	1	3	2	2	3
BP106RMT CO2	3	2	3	2	2	2	1	3	2	2	3
BP106RMT CO3	3	2	3	2	2	2	1	3	2	2	3
BP106RMT CO4	3	2	3	2	2	2	1	3	2	2	3
BP106RMT CO5	3	2	3	2	2	2	1	3	2	2	3
Average	3	2	3	2	2	2	1	3	2	2	3
Average Roundup	3	2	3	2	2	2	1	3	2	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Mr. A.P. Jadhav

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: Human anatomy and physiology-I

Course Code: BP107P

Semester: I

Class: FY B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP107PC01	Study compound microscope. Microscopic study of various tissues of human body. Identification of bones.
BP107PC02	Study various physiological instruments used for estimation of hematological tests. Examine bleeding time, clotting.
BP107PC03	Recording of blood pressure, heart rate and pulse rate.

CO-PO mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Code											
BP107PC01	2	-	3	1	1	1	2	2	1	-	3
BP107PC02	3	-	2	1	1	2	2	2	1	1	3
BP107PC03	2	-	1	1	1	1	2	2	1	-	3
Average	2.33	-	2	1	1	1.33	-	1.66	1	-	3
Roundup	2	-	2	1	1	1	2	2	1	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator


HOD


Principal
(Dr. V. K. Redekar)



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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 Analysis-I

Course Code:BP108P

Semester:I

Class: First Year B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP108PCO1	Demonstrate steps involved in identification of unknown organic compound.
BP108PCO2	Prepare suitable solid derivatives from organic compounds
BP108PCO3	Draw structure using molecular model concept

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											
BP102TCO1	3	-	3	-	-	3	3	-	-	2	3
BP102TCO2	3	3	3	-	3	3	3	2	1	2	3
BP102TCO3	3	3	3	2	3	3	3	2	1	2	3
Average	3	3	3	2	3	3	3	2	1	2	3
Average Roundup	3	3	3	2	3	3	3	2	1	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator
(S. H. Rohane)


HOD


Principal



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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: Pharmaceutics-I

Course Code: BP109P

Semester: I

Class: F.Y B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP109PC01	Describe use of ingredients in formulation and category of formulation
BP109PC02	Preapre and evaluate aromatic water,suppositories, syrups, elixers and powder preparations
BP109PC03	Distinguish monophasic and biphasic liquid dosage form
BP109PC04	Formulate the semisolid dosage form

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											
BP109PCO1	3	3	2	2	2	2	2	3	3	3	2
BP109PCO2	3	3	1	2	2	2	2	3	3	2	2
BP109PCO3	3	3	2	2	2	2	2	3	3	2	2
BP109PCO4	3	3	2	3	1	2	2	2	3	2	2
Average	3	3	2	2	2	2	2	3	3	2	2
Average Roundup	3	3	2	2	2	2	2	3	3	2	2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

(Name & Sign)

Ms. P. R. Joghri
Course co-ordinator

(Name & Sign)

CPD P. D. Talwar
HOD

(Name & Sign)

Dr. V. K. Redkar
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 Inorganic Chemistry

Course Code: BP110P

Semester: I

Class: --I B.Pharm

After completion of course students will be able to

CO	Course Outcomes
BP110PC01	Identify impurities in inorganic compounds by performing limit test for the inorganic impurities
BP110PC02	Examine purity of inorganic compounds as per the official books and prepare inorganic compounds having medicinal use
BP110PC03	Analyze different anions, cations from unknown inorganic compound.

CO-PO mapping

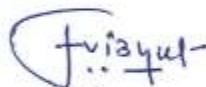
	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP110PCO1	3	3	2	2	3	3	3	3	3	2	2
BP110PCO2	3	3	3	3	2	2	3	2	3	2	3
BP110PCO3	3	3	3	3	2	3	2	2	2	2	2
Average	3	3	2.66	2.66	2.33	2.66	2.66	2.33	2.666	2	2.33
Average Roundup	3	3	3	3	2	3	3	2	3	2	2

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High

Course co-ordinator

Dr. B. V. Chavare


HOD


Principal

Name of the course: Communication Skills.

Course Code: BP111P

Semester: I

Class: F.Y B.Pharm

After completion of course students will be able to

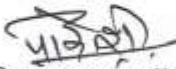
CO	Course Outcomes
BP111PCO1	Apply speaking and writing skills in professional as well as social situations
BP111PCO2	Overcome Mother Tongue Influence and demonstrate neutral accent while exercising English
BP111PCO3	Apply communication skills for Presentations, Group Discussion and interpersonal interactions
BP111PCO4	Apply grammar correctly during Speaking and Writing situations especially in context with Presentations, Public Speaking, Report writing and Business Correspondence

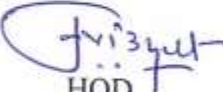
CO-PO mapping

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
BP105T											
BP111PCO1	1	3	1	1	1	1	1	3	1	1	3
BP111PCO2	1	3	1	1	1	1	1	3	1	1	3
BP111PCO3	1	3	2	1	3	1	1	3	1	1	3
BP111PCO4	1	3	2	1	1	1	1	3	1	1	3
Average	1	3	1.5	1	1.5	1	1	3	1	1	3
Average Roundup	1	3	2	1	3	1	1	3	1	1	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Course co-ordinator
Mr. P. R. Joshi


HOD
Dr. A. M. Bhagwat.


Principal
Dr. V. K. Redasani



NAAC - B⁺

Name of the course: RB

Semester: I

YashodaShikshanPrasarakMandal's

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

Course outcomes

Course Code: BP106RBT

Class: I B.Pharm

After completion of course students will be able to

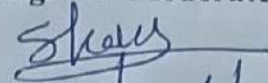
CO	Course Outcomes
BP106RBTC01	Analyze the characteristics & diversity of living world, binomial nomenclature, five kingdom classification of life and also morphology of different parts of flowering plants.
BP106RBTC02	Explain body fluids, circulation, composition & function of blood, lymph, blood grouping, cardiovascular system along with cardiac cycle, cardiac output, ECG & also digestion, absorption, breathing & respiration.
BP106RBTC03	Understand excretory products & their elimination, neural control & coordination, chemical coordination & regulation and human reproduction.
BP106RBTC04	Describe plant & mineral nutrition, process & factors affecting photosynthesis.
BP106RBTC05	Explain plant respiration, growth & development and also structure & function of cell, cell cycle & different tissues their location & function.

CO-PO mapping

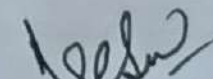
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP106RBTC O1	3	2	3	3	2	2	3	3	1	3	3
BP106RBTC O2	3	3	3	3	2	3	3	3	3	3	3
BP106RBTC O3	2	1	3	3	2	1	2	3	3	1	3
BP106RBTC O4	3	1	3	3	2	1	2	3	3	1	3
BP106RBTC O5	3	1	3	3	2	1	2	3	3	1	3
Average	2.8	1.6	3	3	2	1.6	2.4	3	2.6	1.8	3
Average Roundup	3	2	3	3	2	2	3	3	3	2	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


S.K. Deshmukh
Course co-ordinator


HOD


Principal



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

NAAC- B⁺

Course outcomes

Name of the course:RB

Course Code: BP112RBP

Semester: I

Class: I B.Pharm

After completion of course students will be able to

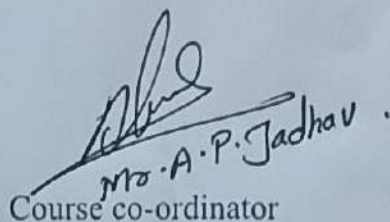
CO	Course Outcomes
BP112RBPC01	Explain parts of microscope, preparation of slide, cell & its inclusions, morphology of flowering plant & their modifications, anatomy and physiology of frog.
BP112RBPC02	Perform microscopic study & identification of various tissues of different parts of flowering plant.
BP112RBPC03	Identify bones and determine blood group, blood pressure, tidal volume.

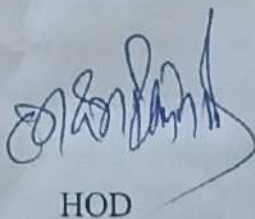
CO-PO mapping

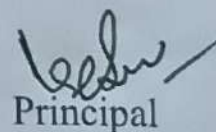
	P01	PO2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
Code											
BP112RBPCO1	3	3	3	2	2	3	3	3	3	3	3
BP112RBPCO2	3	2	3	1	1	3	3	3	3	3	3
BP112RBPCO3	3	3	2	3	3	3	3	1	1	3	3
Average	3	2.6	2.6	2	2	3	3	2.3	2.3	3	3
Average Roundup	3	3	3	2	2	3	3	3	3	3	3

Correlation level 1,2,3 as defined below

1- Slight 2- Moderate 3 High


Mr. A.P. Jadhav
Course co-ordinator


HOD


Principal