

Course Description

BP101T. HUMAN ANATOMY AND PHYSIOLOGY-I (Theory)

45 Hours

Scope: This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

Objectives: Upon completion of this course the student should be able to

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the various experiments related to special senses and nervous system.
5. Appreciate coordinated working pattern of different organs of each system

Course Content:

Unit I

10 hours

- **Introduction to human body**

Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology.

- **Cellular level of organization**

Structure and functions of cell, transport across cell membrane, cell division, cell junctions. General principles of cell communication, intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling: a) Contact-dependent b) Paracrine c) Synaptic d) Endocrine

- **Tissue level of organization**

Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.

Unit II

10 hours

- **Integumentary system**

Structure and functions of skin

- **Skeletal system**

Divisions of skeletal system, types of bone, salient features and functions of bones of axial and appendicular skeletal system

Organization of skeletal muscle, physiology of muscle contraction, neuromuscular junction



- **Joints**
Structural and functional classification, types of joints movements and its articulation

Unit III

10 hours

- **Body fluids and blood**
- Body fluids, composition and functions of blood, hemopoiesis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of blood, Reticulo endothelial system.
- **Lymphatic system**
Lymphatic organs and tissues, lymphatic vessels, lymph circulation and functions of lymphatic system

Unit IV

08 hours

Peripheral nervous system:

Classification of peripheral nervous system: Structure and functions of sympathetic and parasympathetic nervous system.

Origin and functions of spinal and cranial nerves.

- **Special senses**
Structure and functions of eye, ear, nose and tongue and their disorders.

Unit V

07 hours

- **Cardiovascular system**
Heart – anatomy of heart, blood circulation, blood vessels, structure and functions of artery, vein and capillaries, elements of conduction system of heart and heart beat, its regulation by autonomic nervous system, cardiac output, cardiac cycle. Regulation of blood pressure, pulse, electrocardiogram and disorders of heart.



[Signature]
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

BP107P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. Study of compound microscope.
2. Microscopic study of epithelial and connective tissue
3. Microscopic study of muscular and nervous tissue
4. Identification of axial bones
5. Identification of appendicular bones

6. Introduction to hemocytometry.
7. Enumeration of white blood cell (WBC) count
8. Enumeration of total red blood corpuscles (RBC) count
9. Determination of bleeding time
10. Determination of clotting time
11. Estimation of hemoglobin content
12. Determination of blood group.
13. Determination of erythrocyte sedimentation rate (ESR).
14. Determination of heart rate and pulse rate.
15. Recording of blood pressure.

Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co,Riverview,MI USA
4. Text book of Medical Physiology- Arthur C,Guyton andJohn.E. Hall. Miamisburg, OH, U.S.A.
5. Principles of Anatomy and Physiology by Tortora Grabowski. Palmetto, GA, U.S.A.



BP105T.COMMUNICATION SKILLS (Theory)

30 Hours

Scope: This course will prepare the young pharmacy student to interact effectively with doctors, nurses, dentists, physiotherapists and other health workers. At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business.

Objectives:

Upon completion of the course the student shall be able to

1. Understand the behavioral needs for a Pharmacist to function effectively in the areas of pharmaceutical operation
2. Communicate effectively (Verbal and Non Verbal)
3. Effectively manage the team as a team player
4. Develop interview skills
5. Develop Leadership qualities and essentials

Course content:

UNIT – I

07 Hours

- **Communication Skills:** Introduction, Definition, The Importance of Communication, The Communication Process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context
- **Barriers to communication:** Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers
- **Perspectives in Communication:** Introduction, Visual Perception, Language, Other factors affecting our perspective - Past Experiences, Prejudices, Feelings, Environment

UNIT – II

07 Hours

- **Elements of Communication:** Introduction, Face to Face Communication - Tone of Voice, Body Language (Non-verbal communication), Verbal Communication, Physical Communication
- **Communication Styles:** Introduction, The Communication Styles Matrix with example for each -Direct Communication Style, Spirited Communication Style, Systematic Communication Style, Considerate Communication Style



UNIT – III

07 Hours

- **Basic Listening Skills:** Introduction, Self-Awareness, Active Listening, Becoming an Active Listener, Listening in Difficult Situations
- **Effective Written Communication:** Introduction, When and When Not to Use Written Communication - Complexity of the Topic, Amount of Discussion' Required, Shades of Meaning, Formal Communication
- **Writing Effectively:** Subject Lines, Put the Main Point First, Know Your Audience, Organization of the Message

UNIT – IV

05 Hours

- **Interview Skills:** Purpose of an interview, Do's and Dont's of an interview
- **Giving Presentations:** Dealing with Fears, Planning your Presentation, Structuring Your Presentation, Delivering Your Presentation, Techniques of Delivery

UNIT – V

04 Hours

- **Group Discussion:** Introduction, Communication skills in group discussion, Do's and Dont's of group discussion




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

BP111P.COMMUNICATION SKILLS (Practical)

2 Hours / week

The following learning modules are to be conducted using wordsworth® English language lab software

Basic communication covering the following topics

Meeting People

Asking Questions

Making Friends

What did you do?

Do's and Dont's

Pronunciations covering the following topics

Pronunciation (Consonant Sounds)

Pronunciation and Nouns

Pronunciation (Vowel Sounds)

Advanced Learning

Listening Comprehension / Direct and Indirect Speech

Figures of Speech

Effective Communication

Writing Skills

Effective Writing

Interview Handling Skills

E-Mail etiquette

Presentation Skills



BP 201T. HUMAN ANATOMY AND PHYSIOLOGY-II (Theory)

45 Hours

Scope: This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

Objectives: Upon completion of this course the student should be able to:

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the hematological tests like blood cell counts, haemoglobin estimation, bleeding/clotting time etc and also record blood pressure, heart rate, pulse and respiratory volume.
5. Appreciate coordinated working pattern of different organs of each system
6. Appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of human body.

Course Content:

Unit I

10 hours

- **Nervous system**

Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters.

Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid. structure and functions of brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts, reflex activity)

Unit II

06 hours

- **Digestive system**

Anatomy of GI Tract with special reference to anatomy and functions of stomach, (Acid production in the stomach, regulation of acid production through parasympathetic nervous system, pepsin role in protein digestion) small intestine



and large intestine, anatomy and functions of salivary glands, pancreas and liver, movements of GIT, digestion and absorption of nutrients and disorders of GIT.

- **Energetics**

Formation and role of ATP, Creatinine Phosphate and BMR.

Unit III

- **Respiratory system**

10 hours

Anatomy of respiratory system with special reference to anatomy of lungs, mechanism of respiration, regulation of respiration

Lung Volumes and capacities transport of respiratory gases, artificial respiration, and resuscitation methods.

- **Urinary system**

Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex and role of kidneys in acid base balance, role of RAS in kidney and disorders of kidney.

Unit IV

10 hours

- **Endocrine system**

Classification of hormones, mechanism of hormone action, structure and functions of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas, pineal gland, thymus and their disorders.

Unit V

09 hours

- **Reproductive system**

Anatomy of male and female reproductive system, Functions of male and female reproductive system, sex hormones, physiology of menstruation, fertilization, spermatogenesis, oogenesis, pregnancy and parturition

- **Introduction to genetics**

Chromosomes, genes and DNA, protein synthesis, genetic pattern of inheritance



BP 207 P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. To study the integumentary and special senses using specimen, models, etc.,
2. To study the nervous system using specimen, models, etc.,
3. To study the endocrine system using specimen, models, etc
4. To demonstrate the general neurological examination
5. To demonstrate the function of olfactory nerve
6. To examine the different types of taste.
7. To demonstrate the visual acuity
8. To demonstrate the reflex activity
9. Recording of body temperature
10. To demonstrate positive and negative feedback mechanism.

11. Determination of tidal volume and vital capacity.
12. Study of digestive, respiratory, cardiovascular systems, urinary and reproductive systems with the help of models, charts and specimens.
13. Recording of basal mass index
14. Study of family planning devices and pregnancy diagnosis test.
15. Demonstration of total blood count by cell analyser
16. Permanent slides of vital organs and gonads.

Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co,Riverview,MI USA



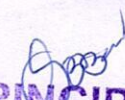
T114 Human Anatomy & Physiology
(3hrs/Week)

Sr. No.	Chapter	No of Hrs
	The topics which were covered up to 10 + 2 should be covered with more details as given in books recommended to increase the depth.	
Section-I		
1	Scope of Anatomy and Physiology, basic terminologies used in this subject (Description of the body using planes and terminologies)	01
2	Structure of cell-Its components and their functions (details). Process of cell division and protein synthesis	02
3	Elementary tissues of the human body :epithelial, connective, muscular and nervous tissues-their sub-types and characteristics	02
4	Homeostasis Various mechanisms to maintain homeostasis	02
5	a)Osseous system - structure, composition and functions of the skeleton b)Classification of joints, Types of movements of joints and c)disorders of joints (definitions only) (a) :To be done in practical classes-6 hrs	01
6	Haemopoietic System a) Composition and functions of blood and Blood components b) Haemopoiesis c) Blood groups d) Haemostasis-Clotting factors and mechanism	02 01 01 02
7	Lymph a) Lymph and lymphatic system composition, Formation, and circulation b) Spleen : Physiology and Function	02 01
8	Endocrine System (introduction) a) Pituitary gland b) Adrenal gland c) Thyroid and parathyroid glands d) Pancreas and gonads	01 01 01 02
Section-II		
9	Nervous System Neuron, Histology and Physiology, Neuronal Circuits. a) Definition and classification of nervous system b) Functional areas and functions of cerebrum c) Cerebellum d) Pons and medulla e) Thalamus and Hypothalamus f) Basal ganglion g) Spinal cord: Structure and functions- reflexes- Mono-Poly-Plantar h) Cranial Nerves- Names and functions, CSF –formation and functions Blood Brain Barrier. ANS-Anatomy and functions of sympathetic and parasympathetic N.S.	02 01 02 01 01 02 01 02 01 02
10	Cardio vascular system a) Anatomy of heart a) Blood vessels and circulation b) Pulmonary, coronary & systemic circulation c) Conduction and ECG d) Cardiac cycle and Heart Sounds f) Blood Pressure , maintenance and regulation	01 02 01 01 01 01

Books Recommended:

- 1) Guyton & Hall. Textbook of medical physiology, Elsevier. New Delhi, 2000 10th edition.
- 2) Vander, Sherman, Luciano. Human Physiology. Mc-Graw Hill Publication New Delhi 1998 7th edition.
- 3) Tortora G.J. Principles of anatomy & physiology. Harper Collins College Publishers, New York 1996 8th edition.
- 4) Chatterjee C.C. Human Physiology. Medical allied agency. Kolkata 2003 11th Edition.
- 5) Ross and Wilson. Anatomy and Physiology in health and illness. Churchill Livingstone 2001. 9th edition.
- 6) AB Mc Naught and Callander R., " Illustrated Physiology", B.I. Churchill Living Stone, New Delhi, 987. 1st edition.
- 7) Chaudhry Sujit K., "Consise Medical Physiology", New Cenrtal Book Agency, Calcutta, 1993. 2nd edition
- 8) Douglas E., Kelly, Richard Wood and Allen C. Enders, " Bailey's TextBook of Microscopic Anatomy", Williams and Wilkins publishers, London, 1984. 18th Edition




PRINCIPAL
 H.R. Patel Institute of Pharmaceutical
 Education & Research
 Shirpur Dist. Dhule (M.S) 425 405

Total no of lectures	60
----------------------	----

P113 Biochemistry (Practical)

Sr.No.	TOPIC
1	Qualitative tests for carbohydrates. **
2	Qualitative tests for proteins. ** A. precipitation reaction. B. color reactions.
3	Quantitative estimation of carbohydrate by follin Wu method **
4	Quantitative estimation of glucose in urine by Benedict method **
5	Standardization of glass ware, study of biological variation, sources of errors. *
6	Expression of concentration such as normality, molality, morality, percent, gms/litre etc. *
7	Preparation of normal (N) solution, percent solution v/v and w/v. *
8	Titration to find out acidity of gastric juice by titrating it against potassium hydroxide or sodium hydroxide. *
9	Identification of unknown substance of biomedical importance. *
10	Identification of given fat sample. *
11	A study of activity of enzyme salivary amylase. *
12	Determination of ascorbic acid using dye 2, 6 dichlorophenol indophenol. *
13	Determination of acid value of given fat sample. *
14	Electrophoresis, paper electrophoresis of serum protein. (demonstration) *
15	Care and use of pH meter construct titration curve for amino acid alanine. *
16	Separation of amino acid by paper chromatography.(Demonstration) *
17	Separation of lipids by thin layer chromatography.(Demonstration) *
18	Isolation of DNA *

* Indicate minor experiments

** Indicate major experiments

Books Recommended:

1. Harpers review of biochemistry – Martin
2. Text book of biochemistry – D. Satyanarayan
3. Tex book of Clinical Chemistry – Alex Kaplan & Laverve L. Szabo
4. Principles of biochemistry – Lehninger
5. Text book of biochemistry – Ramarao
6. Practical Biochemistry – David T. Plummer
7. Practical Biochemistry – Pattabhiraman

Scheme for practical Examination

Sr.No.	Head	Sessional	Annual
1	Synopsis	05	10
2	Major experiment	07	35
3	Minor experiment	04	15
4	Viva	04	10
6	Journal & Attendance	10	-
	Total	30	70
	Duration	03 Hrs	4 Hrs




PRINCIPAL
 H.R. Patel Institute of Pharmaceutical
 Education & Research
 Shirpur Dist. Dhule (M.S.) 425 405

- 09) Elaine N. Marieb, "Human Anatomy and Physiology", Addison Wesley, New York, 1997 4th edition.
- 10) Inderbir Singh, "Text Book of Human Histology with Colour Atlas, Jaypee Brothers, New Delhi, 2002. 4th edition.



Seen
PRINCIPAL
H.R Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

P114 Human Anatomy & Physiology (Practical)

1. Study of Microscope*
 2. Determination of ESR*
 3. Determination of R.B.C. content of blood*
 4. Determination of W.B.C. content of blood*
 5. Determination of differential count of blood*
 6. Determination of hemoglobin content of blood **
 7. Determination of blood groups**
 8. Determination of blood pressure**
 9. Determination of bleeding time and clotting time**
 10. Study of various systems using Charts/ Models#
 11. Study of histology using permanent slides #
 12. Study of skeletal system#
- #-Experiments for preliminary knowledge and may be examined in form of identification/spotting

* Indicate Minor Experiment

** Indicate Major Experiment


Books Recommended Books-

1. Ranade V.G., Pradhan S, Joshi P.N. Text Book of Practical Physiology. Pune Vidyapith Griha Prakashan, Pune, 1997
2. Mukherjee K.L. Medical Laboratory Technology. Tata McGraw Hill. New Delhi, 1999 4th edition (Vol.I,II,III)
3. Bharihoke V. Text book of Histology .A.I.T.B.S Publication. 2005, 2nd edition

Scheme for practical Examination

SR.NO	Head	Sessional	Annual
1	Spotting / identification	04	10
2	Synopsis	04	10
3	Major experiment	07	30
4	Minor experiment	03	15
5	Viva	02	10
6	Journal & Attendance	10	-
	Total	30	70
	Duration	03 Hrs	4 Hrs




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

T126 Human Anatomy, Physiology and Health Education
45 Hours (3hrs/Week)

Sr. No.	Chapter	No of Hrs
The topics which were covered up to 10+2 should be covered with more details as given in books recommended to increase the depth.		
Section-I		
1	Urinary System a) Parts of the Urinary System and Gross structure of the kidney b) Structure of Nephron c) Physiology of Urine Formation and Micturition d) Renin Angiotensin System – Juxtra- Glomerular apparatus- e) Maintenance of Acid-Base balance	07
2	Respiratory System a) Anatomy of respiratory organs and functions b) Mechanism and regulation of respiration c) Physiology of respiration: Transport of respiratory gases d) Respiratory volumes and vital capacity e) Neural and chemical regulation of respiration O ₂ and CO ₂ carriage and hypoxia f) Definitions of Hypoxia, Asphyxia, Dysbarism, Oxygen Therapy and resuscitation	08
3	Digestive System a) Anatomy of Gastro intestinal Tract(GIT) b) Anatomy, Secretions and functions of-Salivary glands, Stomach, Liver, Pancreas, Intestine c) Digestion and absorption	07
Section-II		
4	Reproductive System a) Male and female reproductive systems b) Their hormones- Physiological role c) Physiology of menstruation, ovarian cycle d) Spermatogenesis e) Sex determination(genetic basis) f) Pregnancy and its maintenance and parturition g) Contraception and Contraceptive devices	07
5	Sense Organs a) Eye b) Ear-Hearing and Equilibrium c) Skin d) Taste and smell	05
6	Skeletal muscles a) Histology b) Physiology of muscle contraction c) Physiological properties of skeletal muscle	03
7	Fluid & electrolyte balance	03
8	Health Education- Health Programme in India, Demography and Family Planning, Nutrition and Health, Occupational Health, Mental Health, Health Education, Health Planning and Management, communicable and non communicable diseases.	05

Books Recommended:

- 1) Guyton & Hall. Textbook of medical physiology, Elsevier. New Delhi, 2000 10th edition.
- 2) Vander, Sherman, Luciano. Human Physiology. Mc-Graw Hill Publication New Delhi 1998 7th edition.
- 3) Tortora G.J. Principles of anatomy & physiology. Harper Collins College Publishers, New York 1996 8th edition.
- 4) Chatterjee C.C. Human Physiology. Medical allied agency. Kolkata 2003 11th Edition.
- 5) Ross and Wilson. Anatomy and Physiology in health and illness. Churchill Livingstone 2001. 9th edition.
- 6) AB Mc Naught and Callander R., " Illustrated Physiology", B.I. Churchill Living Stone, New Delhi, 1987. 1st edition.
- 7) Chaudhry Sujit K., "Consize Medical Physiology", New Cenrtal Book Agency, Calcutta, 1993. 2nd edition
- 8) Douglas E., Kelly, Richard Wood and Allen C. Enders, " Bailey's TextBook of Microscopic Anatomy", Williams and Wilkins publishers, London, 1984. 18th Edition
- 9) Elaine N. Marieb, "Human Anatomy and Physiology", Addison Wesley, New York, 1997 4th edition.
- 10) Inderbir Singh, " Text Book of Human Histology with Colour Atlas, Jaypee Brothers, New Delhi, , 2002. 4th edition.
- 11) Park J.E. and Park K., "Preventive and Social Medicine", Banarasidas Bhanot, India, 1991. 13th edition



(Signature)
PRINCIPAL
 H.R Patel Institute of Pharmaceutical
 Education & Research 22
 Shirdur Dist.Dhule(M.S) 425 405

T125 PHARMACEUTICAL INORGANIC CHEMISTRY-II

(4 Hrs/Week)

Section II		
1	Topical Agents Protective, astringents, Anti-infective	08
2	Gases & Vapors Oxygen, Anesthetics Respiratory stimulants.	04
3	Dental Products Dentifrices Anticaries agent	04
4	Theoretical Principles of Qualitative analysis	07
Section II		
5	Complexing & Chelating agents other antidotes	04
6	Radiopharmaceuticals and contrast media: Radiopharmaceuticals, Radiopharmaceutical preparation, Radiopaque contrast media	08
6	Miscellaneous : Environmental Sciences <ul style="list-style-type: none"> • Water, Types Use of water in Pharmaceuticals as solvents, • Water pollution & Purification techniques Industrial water wastes & pollutants • Sclerosing agents, Expectorants, Emetics, Antioxidants. 	10
Total no. of lectures		45

Books Recommended:

1. Vogel's Textbooks of qualitative Inorganic Analysis By Denny, Jeffery.
2. Practical Pharmaceutical inorganic chemistry, By Beckett & Stenlake.
3. Inorganic Medicinal & Pharmaceutical Chemistry By Block & Roche.
4. Text book of Pharmaceutical Chemistry, By Chatten L.G.(Dekker series)
5. Textbook of Pharmaceutical analysis By Connors K.A.
6. Text book of Pharmaceutical Analysis By Dr. H. N. More
7. Indian Pharmacopoeia
8. British Pharmacopoeia
9. Remington's Pharmaceutical Sciences.



Prasad
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

T361 Cosmetic Technology I (Theory)
(3 hrs/week)

Section-I
Topic

1	Introduction to cosmetics: A) Applications, origin and development of cosmetic sciences. B) Basic knowledge of skin, role of hormones and vitamins in skin nutrition. C) Dermatitis and allergy, primary irritants and photosensitization in cosmetics. D) Preservation, performance and evaluation of cosmetics.	08
2	Cosmetic colors: Natural and synthetic colors including plants and animal origin, lakes, pigments and inorganic colors.	05
3	Perfumes in cosmetics: Natural and synthetic perfumes, manufacturing and blending of perfumes.	02
4	Introduction to cosmetic vehicles	02
5	Skin care preparations: Skin creams and lotions, classification of skin creams, cold, vanishing, and all purpose, emollient creams, cleansing Creams, foundation creams, hand creams, protective and barrier creams, Evaluation of creams.	05

Section
-II

Sr. No.	Topics	Hrs
1	Hair preparation: shampoos, hair seating lotion, conditioner, hair tonics, hair bleaches, hair coloring dyes, permanent waving, hair straighter, anti dandruff preparation, Evaluation of Shampoo	04
2	Face powders and makeup: face powders, compact powder, cake make up, make up cream, liquid make up, sick make up, and liquid powders, beauty masks.	04
3	Colored make up: Lipstick, rouges, and eye make up, Evaluation of Lipstick.	03
4	Mainicure preparation: Cuticle remover nails bleach, nail whites, nail creams, nail liquor, and enamel remover.	03
5	Dental products: Dentifrices and mouth washes and Evaluation of Tooth paste.	04
6	Antiageing preparation	02
7	Stability testing of cosmetic products	03

Total Hours: 45

Books Recommended:



H.R. Patel
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

- 1) Riger: Harries Cosmeticology, Chemical Publishing company, Newyark
- 2) Poucher: Perfumes, Cosmetics and Soaps, Springer Pvt. Ltd., New Delhi
- 3) Balsam & Sagarin: Cosmetics – Science and Technology (Vol. 1-3), John Wiley & Sons, Newyark
- 4) Magdassi: Novel Cosmetic Delivery System- Cosmetic science & Tech. series vol- 19. Marcel Dekker Inc., Newyark
- 5) Thomson: Modern cosmetic, Universal Publishing Corporation, Bombay
- 6) Marc Paye, Maibach H I: Handbook of Cosmetic Science and Technology, 2nd Edition, CRC Press., Tayler & Francis, Newyark
- 7) A.Nanda, S.Nanda, Roop K. Khar: Cosmetic Technology- Birla Publications, Delhi

Handwritten signature

P361 Cosmetic Technology I (Practicals)

- 1) **Creams:** cold cream**, vanishing cream**, cleansing cream**, emollient cream**, foundation cream**.
- 2) **Face powders and make-up:** Face powder, Dusting powder, Compact powder, Liquid make-up, Face mask.
- 3) **Body Cosmetics:** Hand & body lotion, hand protective cream, Peeling lotion, Corn callus preparation, Sunscreen lotion.
- 4) **Baby Cosmetics:** Baby lotion, Baby cream, Baby powder.
- 5) **Hair preparations:** Liquid shampoo**, Cream shampoo**, Gel shampoo**, Brilliantine. **
- 6) **Shaving Preparations:** Lather shaving cream**, Brushless shaving cream**, After shave lotion
- 7) **Coloured make-up:** Lipstic**
- 8) **Manicure Preparations:** Nail Lacquer, Nail remover
- 9) **Dental Products:** Mouth wash, Tooth paste**, Tooth Powder.
- 10) **Astringent and Skin tonics:** Astringent cream, Skin toner

(3Hrs/week)

Major Expt. **

Minor Expt. Remaining all preparations

Examination Pattern is as follows

Sr. No.	Types of Question	Sessional	University
	Duration	3 Hrs	4 Hrs
1	Synopsis	5	10
2	Viva Voce	5	10
3	Exp. Major	-	30
	Minor	10	20
4	Journal Marks	10	-
	Total Marks	30	70

Books Recommended

- 1) Riger: Harries Cosmeticology
- 2) Poucher: Perfumes, Cosmetics and Soaps
- 3) Balsam & Sagarin: Cosmetics – Science and Technology (Vol. 1-3)
- 4) Magdassi: Novel Cosmetic Delivery System- Cosmetic science & Tech. Series vol- 19
- 5) Thomson: Modern cosmetic
- 6) Marc Paye, Maibach H I: Handbook of Cosmetic Science and Technology, 2nd Edition, CRC Press.



H.R. Patel
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

T362 Pharmaceutical Medicinal chemistry –II (Theory)

(3 hrs/week)

The following topics should be covered with the points listed below

1. Introduction
2. Classification
3. Mechanism of action
4. Structure-activity relationship
5. Pharmacokinetics (Metabolism) and
6. Therapeutic uses
7. Synthesis of drugs official in IP (Listed in respective classes)

Section –I		
Sr.No	Topic	Hours
1	Antiseptic & Disinfectants Chlorocresol, Phenol	02
2	Antiamoebics Metronidazole, Tinidazole	03
3	Anthelmintics Piperazine citrate, Albendazole, Mebendazole, Levamisole, Niclosamide	04
4	Antifungal agents Clotrimazole, Griseofulvin, Ketoconazole, Miconazole nitrate	03
5	Quinoline Antibacterials Ciprofloxacin hydrochloride, Norfloxacin, Nalidixic acid,	02
6	Antineoplastic agents Methotrexate, Busulphan, Fluorouracil, Cisplatin, Cyclophosphamide, Thiotepa.	09
Section-II		
7	Anti Tubercular and Anti-leprotic Agents Isoniazide, Ethambutol, Pyrazinamide, Ethionamide	04
8	Antimalarials Chloroquine sulphate, Primaquine, Amodiaquine	04
9	Antibiotics Amoxycillin, Ampicillin, Carbenicillin, Cefadroxil, Cephalexin, Chloramphenicol, Gentamicin.	10
10	Sulfonamides Sulphamethoxazole, Sulphadiazine, Sulphadoxine	04

Total Hrs: 45

Books Recommended




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

Activity Report



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	World Women's Day
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Name of Speaker With contact details	Shri Ravindra Deshmukh Sir Principal Doc. S. B. Bari Kritiben Patel
Date of activity	08 March 2022
Objectives	To celebrate International Women's Day
In charge	Dr. Swati Deshmukh, Ms. Nalini More, Mrs Sonal Shah, Mrs Smita Fursule, Mrs Megha Jadiye
Number of Participant	Students and faculty -150
Brief Report on activity	<p>Women's Day was celebrated in a unique way under the National Service Scheme of HR Patel College of Pharmacology. The first event was held at the women's meet at Dandwate Nagar. Hon'ble Kritiben Patel was present at the event. The second year students presented plays for women. The play deals with female feticide and female atrocities. Hon'ble Kritiben Patel appreciated the students. This second program of honoring women was organized in the college. The program was chaired by Sub-Inspector of Police Shri Ravindra Deshmukh Sir and Principal Doc. S. B. Bari was the chief guest. Smita Patil was Madam. The special guest of this program was the mother of the college students. The program started with the play "Dhananjay Paritapta" by the second year students. The dignitaries were welcomed after Saraswati Puja. Principal Doc. In his introductory speech, SB Bari gave an introductory speech on the achievements of the college, various cultural and social activities as well as guidance on women's health and women's self-defense. In his presidential address, Shri Ravindra Deshmukh interacted with the women on various issues and informed them about the possible misuse of mobile, CYBER CRIME, self-defense and various clauses and their use and misuse. He said that if every girl considered her mother-in-law as her mother after marriage, a better atmosphere would be created in the society. After that, Dr. Madam Smita Patil gave guidance on women's health, diet, diagnosis and hygiene of various diseases and also said that women should celebrate Women's Day every day and take care of their own well-being. Raseyo's Program Officer Pvt. Swati Deshmukh interacted with women on the use of drugs and disposal of expired drugs.</p>

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist - Dhule (MS).

☎ (02563) 257599, ☎ 9423948023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Photograph
Of activity



Outcome

Student and faculty take women's oath and aware about their role as strong women and became.



S. B. Bari
PRINCIPAL
H.R Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

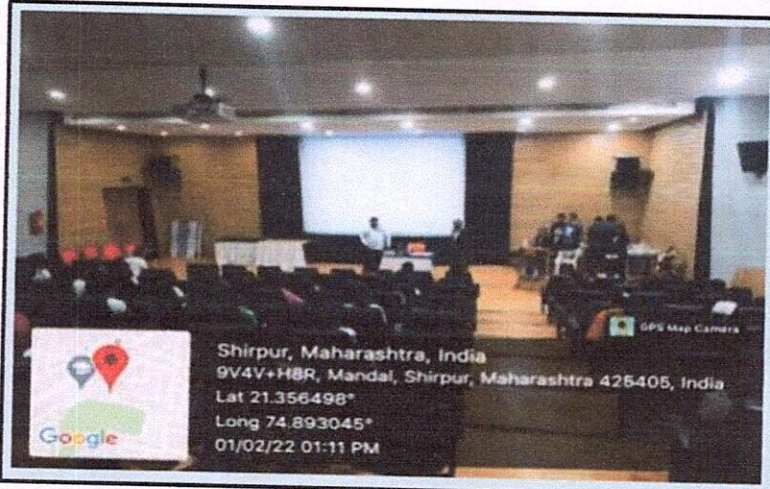
@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvati Sabha- Personality Development Workshop for the girl students
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur Auditorium hall
Name of Speaker With contact details	-
Date of activity	01 February 2022
Objectives	To empower girls. To make the girls who are undergoing education through this scheme more cultured, more capable. Girls need to be self-reliant, self-defensive, self-defeating to give scientific training through Swayamsiddha Abhiyan.
In charge	Mr. Z. G. Khan
Number of Participant	200
Brief Report on activity	Yuvati Sabha, Personality Development Workshop for the girl students of the institute was organized on 01/02/2022 with the help of grant received from Student Development Department, KBC, NMU, Jalgaon. Every year the Institute organizes this workshop, and this is the 11th Personality Development Workshop organized for the betterment of soft skills of girls students. During this workshop participants had learned Need and importance of Soft skills, How to improve learning skills, the employment and personality development of women, Major Health issues related to women, and women rights especially for women or girls and so on.
Photograph Of activity	

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B.Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

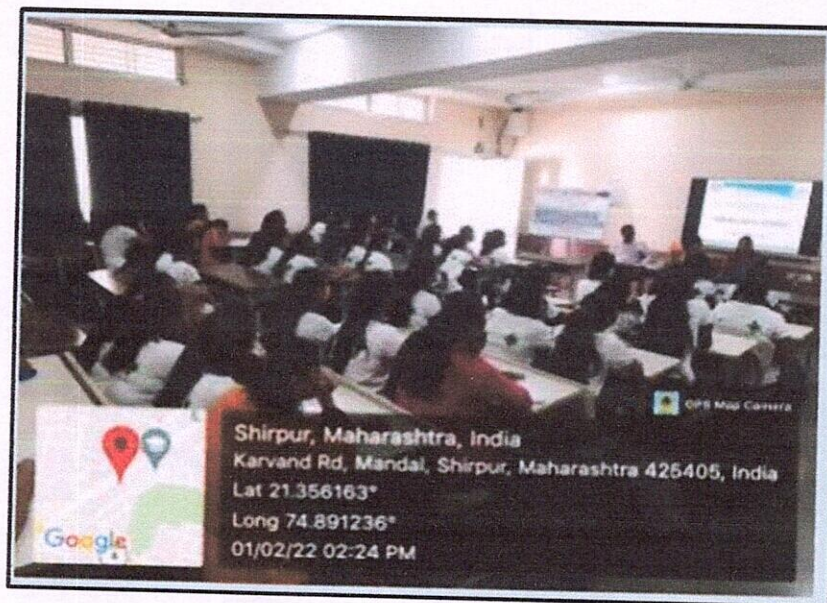
☎ (02563) 257599, ☎ 9423918023, ☎ 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.



Outcome

Girls learn about how to develop our self, how to face problems, how to protect our self.




PRINCIPAL
H.R Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrshbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvati Sabha: Self-defense Workshop
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur
Name of Speaker With contact details	-
Date of activity	24 to 31 January 2022
Objectives	To empower girls. To make the girls who are undergoing education through this scheme more cultured, more capable. Girls need to be self-reliant, self-defensive, self-defeating to give scientific training through Swayamsiddha Abhiyan.
In charge	Dr. Z. G. Khan
Number of Participant	Students and faculty -80
Brief Report on activity	In a world filled with bullying and societal pressures, we need our girls to grow up knowing that they are smart, strong, and empowered. No matter what goals they aspire to achieve, our young women need to know that if they work hard, they can reach for the stars. No matter her age or skill level, there is a place for her in our community and self-defense for girls could be the best thing for women of all ages. With the help of grant received from the Student Development Department, KBC, NMU, Jalgaon, we organized this workshop. This year it is 11th Self-defense Workshop organized by the Institute.



H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

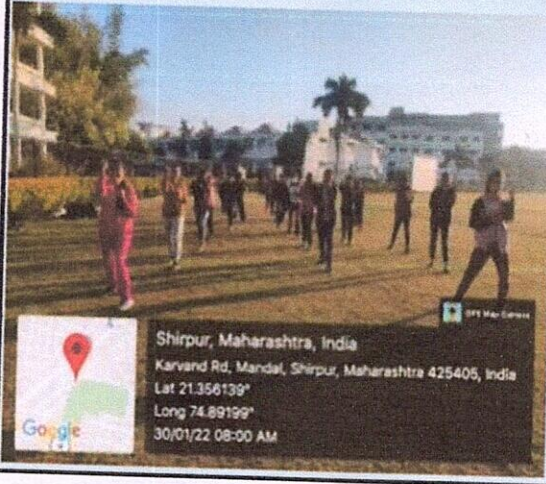
@ <http://www.hrpatelpharmacy.co.in> @ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Photograph
Of activity



एच.आर. पटेल फार्मसीत स्व-संरक्षण कार्यशाळा

शिरपूर : येथील एच. आर. पटेल फार्मसी महाविद्यालयात कवचित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव यांच्या संयुक्त विद्यमाने नुकतेच आठ दिवसीय स्वयंसिद्धा अभियान अंतर्गत स्व-संरक्षण कार्यशाळा घेण्यात आली. विद्यापीठाच्या विद्यार्थी विकास विभागातर्फे युवती सभा कार्यक्रम अंतर्गत कार्यशाळा झाली. उद्घाटन प्राचार्य डॉ. एस. बी. बारी यांच्या हस्ते करण्यात आले. कर्नाटे प्रशिक्षक नारायण पुरष पवार, कार्यशाळेचे समन्वयक आणि महाविद्यालयाचे विद्यार्थी विकास अधिकारी प्रा. जमीर खान उपस्थित होते. प्रास्ताविक प्रा. जे.डी. जी. खान यांनी केले. प्रशिक्षक प्रा. नारायण पवार यांनी विविध व्यायाम प्रकार प्रशिक्षित करत प्रतिकार करण्याचे स्लाप फेस किक, वॉक पंच, फ्रंट किक, क्रॉस पंच, साईड चाप, स्ट्रट पंच (नाकावर मारणे), साईड पंच (जबड्यावर मारणे) व अपर कट (हनुवटीवर मारणे), सनव्हाक, इस्ट मिडल किक, लोहार व्हाक, फॉवर्ड चाप असे विविध करंटे व ज्युडो प्रकार विद्यार्थींना शिकवले. कार्यशाळेत एकूण ६४ विद्यार्थींनी उत्स्फूर्त सहभाग नोंदवला.

Smart Dhule

Page No 3 February 24, 2022

Outcome

Girls learn about how to develop our self, how to face problems, how to protect our self.




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S.) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.


@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Fresher's Party
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Auditorium hall
Name of Speaker With contact details	-
Date of activity	04 December 2021
Objectives	To introduce first-year students and to foster student community harmony for the sake of society.
In charge	Dr. D. A. Patil, Ms. S. P. Deshmukh
Number of Participant	Students and faculty 400
Brief Report on activity	Organized Fresher's Party – Novatofiesta 2K21 on 04 December 2021. Principal Sir and all the faculty members graced the occasion along with II, III, and IV semester students who welcomed their juniors with enthusiasm and joy.
Photograph Of activity	



H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

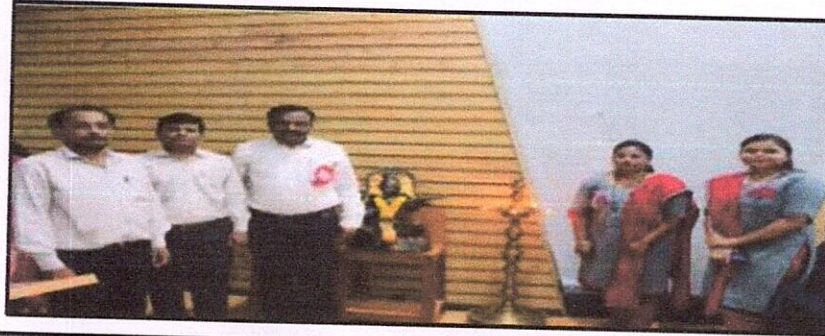
@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.


Photograph
Of activity



Outcome

Program strengthened the bonds among the students and created respect for ethnic and racial diversity in India.




PRINCIPAL
H.R Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Self-defense Workshop under Yuvatisabha
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur
Name of Speaker With contact details	Trainer: Mr. Jaysing R. Padvi, Black Belt Karate Instructor,
Date of activity	24 February to 02nd March 2020
Objectives	To empower girls. To make the girls who are undergoing education through this scheme more cultured, more capable. Girls need to be self-reliant, self-defensive, self-defeating to give scientific training through Swayamsiddha Abhiyan.
In charge	Dr. Z. G. Khan
Number of Participant	150
Brief Report on activity	H. R. Patel Institute of Pharmaceutical Education and Research took many initiatives for improvement of the overall skills of the students. Every year the institute organizes a self-defence workshop for the students to make them self-defendant and courageous to face the unexpected occasions . Implementation: To make it in real sense, a one week self-defence workshop was organized. Black belt karate instructor was invited as resource person to instruct and train the students.
Photograph Of activity	

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

Ⓜ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.



एच.आर.पटेल फार्मसीत स्वयंसिद्धा कार्यशाळा

शिर्पुर : शिर्पुर एम्बेड्डेड सीव्हरटी संस्थेने एच.आर.पटेल फार्मसीत स्वयंसिद्धा व कर्मचारी वॉलंट्यर्स संघाचे युवा सहकार्य विभागाचे, अद्यतन यांच्या संयुक्त विद्येने स्वयंसिद्धा कार्यशाळा कार्यशाळा मुंबईत संपन्न झाली. कार्यशाळेचे योजनेसाठी योग्य युवा सहकार्य विभागाच्या विभागे विद्यार्थी विद्यार्थी व कर्मचारी संघाच्या संयुक्त विद्येने संपन्न झाले.

विद्यार्थी संघाने संघभारतात विद्यार्थी संघाचे, अद्यतन यांच्या व मुंबईच्या स्वयंसिद्धा कार्यशाळा कार्यशाळेचे आयोजन करायला आले होते.

विद्यार्थी संघाने संघभारतात विद्यार्थी संघाचे, अद्यतन यांच्या व मुंबईच्या स्वयंसिद्धा कार्यशाळा कार्यशाळेचे आयोजन करायला आले होते.

विद्यार्थी संघाने संघभारतात विद्यार्थी संघाचे, अद्यतन यांच्या व मुंबईच्या स्वयंसिद्धा कार्यशाळा कार्यशाळेचे आयोजन करायला आले होते.



जे. श्याम, सहायक व डी.डा. प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

जीवशास्त्र अद्यतनीय पंच पंचम अंतर्गत आज्ञासंघटनेचे पंच दिने, सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

प्रशासन विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

ज्येष्ठ दिनेश, प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

प्रशासन विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

ज्येष्ठ दिनेश, प्रशासन व. स. वी. टाऊन असे उपस्थित होते. या कार्यशाळेच्या योजनेत सहकार्य विभागाचे प्रशासन व. स. वी. टाऊन असे उपस्थित होते.

Outcome

Girls learn about how to grow as individuals, how to deal with challenges, and how to take care of oneself.




S. B. Bari
PRINCIPAL
H.R. Patel Institute of Pharmaceutical Education & Research
Shirpur Dist. Dhule (M.S) 425 405



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvati Sabha – 2019
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur
Name of Speaker With contact details	-
Date of activity	03rd October 2019
Objectives	To empower girls. To make the girls who are undergoing education through this scheme more cultured, more capable. Girls need to be self-reliant, self-defensive, self-defeating to give scientific training through Swayamsiddha Abhiyan.
In charge	Dr. Z. G. Khan
Number of Participant	150
Brief Report on activity	Yuvati Sabha, Personality Development Workshop for the girl students of the institute was organised on 03rd October 2019 with the help of grant received from Student Development Department, KBC, NMU, Jalgaon.
Photograph Of activity	



H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.



Outcome

Girls learn about how to grow as individuals, how to deal with challenges, and how to take care of one.



S. B. Bari
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

© (02563) 257599, 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Fresher's Party
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Auditorium hall
Name of Speaker With contact details	-
Date of activity	01st September 2019.
Objectives	To introduce first-year students and to foster student community harmony for the sake of society.
In charge	Dr. D. A. Patil
Number of Participant	Students and faculty 400
Brief Report on activity	Organized Fresher's Party – Novatofiesta 2K19 on 01st September 2019. Principal Sir and all the faculty members graced the occasion along with II, III, and IV semester students who welcomed their juniors with enthusiasm and joy.
Photograph Of activity	<p style="text-align: center;">Fresher's Party 2019 (Novatofiesta2K19) Fresher's Party 2019 (Novatofiesta2K19)</p> <p style="text-align: center;">Fresher's Party 2019 (Novatofiesta2K19) Mr. Fresher 2019</p>

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).


☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

<p>Photograph Of activity</p>	
<p>Outcome</p>	<p>Program strengthened the bonds among the students and created respect for ethnic and racial diversity in India.</p>




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.


@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvarang (Youth Festival) - 2019
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Kusumba, Dhule
Name of Speaker With contact details	-
Date of activity	04th February 2019
Objectives	For the overall development of the students in addition to their academic and educationnal skill, their personal curtural skills also needs to be developed.
In charge	Dr. Z. G. Khan
Number of Participant	Students and faculty -10
Brief Report on activity	Yuth festival participation- Priya caudhari- poetry, Prerna Tiwari- Mehandi, Anjali chordiya- Elocution and Sumeet Patil- Photography for Dstrict Level Yuvarang at SMT. NNC Arts, Commerce and Science College Kusumba Tal Dhule 04th February 2019.
Photograph Of activity	

The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

©(02563) 257599, ☎9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

<p>Photograph Of activity</p>	
<p>Outcome</p>	<p>Students improved in a wide range of areas, including skill, knowledge, teamwork, and communication.</p>




PRINCIPAL
H.R Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist.Dhule(M.S) 425 405

The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎(02563) 257599, ☎ 9423918023, 9850223277.


@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvati Sabha Self Defense Workshop
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur
Name of Speaker With contact details	-
Date of activity	01st February to 08th February 2019
Objectives	girls' empowerment to increase the culture and skills of the girls receiving an education through this programme. To provide scientific training through Swayamsiddha Abhiyan, girls must be independent, self-reliant, and self-defeating.
In charge	Dr. L. R. Zavar & Ms. P. H. Patil
Number of Participant	Girls students -50
Brief Report on activity	Organized 8 day self defence workshop from 1 st to 8 th Feb 2019 for girls students, girls must be independent, self-reliant, and self-defeating.
Photograph Of activity	



The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Outcome	Program strengthened among the students.



S. B. Bari
PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S.) 425 405

The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.


@ <http://www.hrpatelpharmacy.co.in> @ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Yuvati Sabha- Personality Development Workshop for the girl students
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER, Shirpur Auditorium hall
Name of Speaker With contact details	Prof. Haseem Mohammad Isaq Shaikh Hon. Kishor G. Sonawane Prof. Jyoti Rane madam and Prof. Amruta Bhandari Madam
Date of activity	12th October 2018
Objectives	To empower girls. To make the girls who are undergoing education through this scheme more cultured, more capable. Girls need to be self-reliant, self-defensive, self-defeating to give scientific training through Swayamsiddha Abhiyan.
In charge	Dr. L. R. Zawar & Ms. P. H. Patil
Number of Participant	200
Brief Report on activity	Yuvati Sabha, Personality Development Workshop for the girl students of the institute was organised on 12th October 2018 with the help of grant received from Student Development Department, KBC, NMU, Jalgaon. During the same, eminent speakers like Prof. Haseem Mohammad Isaq Shaikh (District Student Development Office, KBC NMU, Jalgaon), Hon. Kishor G. Sonawane, Principal of Saraswat English Academy, Surat, Prof. Jyoti Rane madam and Prof. Amruta Bhandari Madam were invited to focus on various topics under personality development. Self-defense workshop for the girl students of our institute was organised with the help of grant received from Student Development Department, KBC, NMU, Jalgaon.
Photograph Of activity	

The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.



Outcome

Girls learn about how to develop our self, how to face problems, how to protect our self.




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425 405

The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.


@ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report
Submitted to
The Principal,
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Fresher's Party
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Auditorium hall
Name of Speaker With contact details	-
Date of activity	02nd September 2018
Objectives	To introduce first-year students and to foster student community harmony for the sake of society.
In charge	Dr. L. R. Zawar & Ms. P. H. Patil
Number of Participant	Students and faculty 200
Brief Report on activity	Dr. S. B. Bari, the principal, gave the programmed its official start. The F.Y.B. Pharm students were introduced and given an overview of the college setting. Students performed the introduction and cultural events. Mr. Fresher and Miss Fresher were chosen based on performance.
Photograph Of activity	



The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

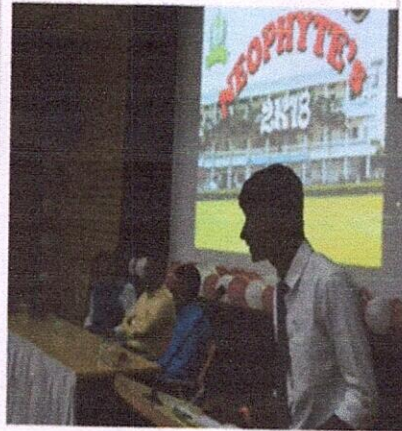
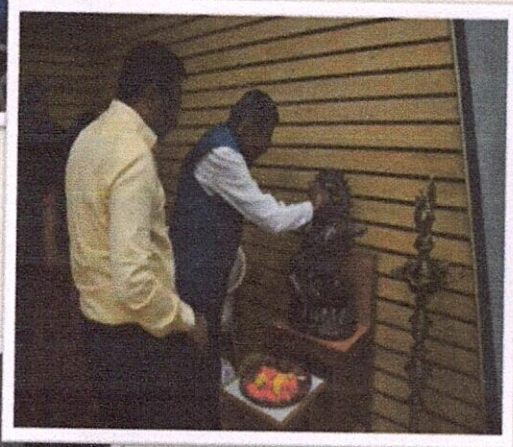
Ⓜ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Photograph
Of activity



The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

☎ (02563) 257599, ☎ 9423918023, 9850223277.

Ⓜ <http://www.hrpatelpharmacy.co.in> ✉ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in



President :
Shri Amrishbhai R. Patel
M.L.A.

Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.



एच.आर. पटेल महाविद्यालयात नवोदित विद्यार्थ्यांचे स्वागत करताना प्राचार्य डॉ.एस.बी. बारी, पदविक्रम महाविद्यालयाचे प्राचार्य पी.बी. निनावे, किरण पाटील, प्रा.एच.एम. चाचरे, प्रा.व्ही.के. पाटील, प्रा.एम.आर. महाजन आदी.

फार्मसीच्या नवोदितांचे स्वागत

शिरपूर : एच.आर. पटेल फार्मसी महाविद्यालय

लोकमत न्यूज नेटवर्क

शिरपूर : येथील एच.आर. पटेल डिप्लोमा फार्मसी महाविद्यालयात प्रथम वर्ष डॉ.फार्मसीच्या विद्यार्थ्यांचा स्वागत समारंभाचा कार्यक्रम नुकताच घेण्यात आला.

येथील पटेल मेमोरिअल हॉलमध्ये विविध कलागुणांचे सादरीकरण करून विद्यार्थ्यांचा स्वागताचा कार्यक्रम झाला. यावेळी प्राचार्य डॉ.एस.बी. बारी, पदविक्रम महाविद्यालयाचे

प्राचार्य पी.बी. निनावे, किरण पाटील, प्रा.एच.एम. चाचरे, प्रा.व्ही.के. पाटील, प्रा.एम.आर. महाजन, प्रा.जी.एच. पाटील आदी उपस्थित होते. याप्रसंगी किरण पाटील यांनी विद्यार्थ्यांना जीवनातील प्रत्येक आव्हानांना कसे सामोरे जावे, त्यासाठी करावा लागणारा संघर्ष या विषयावर मार्गदर्शन केले. तसेच त्यांनी त्यांच्या महाविद्यालयीन आठवणींना उजाळा दिला. प्राचार्य डॉ.बारी व प्राचार्य निनावे यांनी नवोदित विद्यार्थ्यांचे

औषध निर्माणशास्त्रात प्रवेश घेतल्याबद्दल अभिनंदन केले. त्यांना औषध निर्माणशास्त्राची संबंधित विविध संघांची माहिती दिली. प्रथम वर्षाच्या विद्यार्थ्यांमधून तेजस प्रशांतकुमार जैन व कांचन देवीदास कोळी यांना निवडून पारितोषिक देण्यात आले. सुप्रसंचालन द्वितीय वर्षाचे विद्यार्थी दुर्गेश चव्हाण, नूतन पाटील, प्रतीक पाटील, मानसी देसले, यश महाजन व पूजा जोगी तर आभार राहुल चव्हाण यांनी मानले.

Outcome

Program strengthened the bonds among the students and created respect for ethnic and racial diversity in India.




PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirdpur Dist.Dhule(M.S) 425 405

The Shirdpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research
'Serving Nation's Health'

Karwand Naka, Shirdpur - 425405, Dist : Dhule (MS).

©(02563) 257599, ☎9423918023, 9850223277.

@ <http://www.hrpatelpharmacy.co.in> @ principal@hrpatelpharmacy.co.in, registrar@hrpatelpharmacy.co.in