

Program Specific Outcomes

1. Chemistry UG (Hons):- On completions of program, students gained the theoretical as well as practical knowledge of Chemicals. Understand the importance of the elements in the periodic table, including their physical and chemical nature and role in the daily life. Learn the Laboratory skills and safety to chemical preparation. Improve the skills of students in Organic research area. Understand the application of mathematical tools to calculate the thermodynamics equation.
2. Physics UG (Hons):- On completion of program students may demonstrate conceptual understanding of core knowledge of physics going around us. They demonstrate their understanding of the scientific method and process.
3. Zoology UG (Hons):-

Students enrolled in B.Sc. (Hons.) degree program in Zoology will study and acquire complete knowledge of disciplinary as well as allied biological sciences. At the end of graduation, they are likely to possess expertise which will provide them competitive advantage in pursuing higher studies from India or abroad; and seek jobs in academia, research or industries. Students will be able to define and explain major concepts in the biological sciences. They are able to correctly use biological instrumentation and proper laboratory techniques.

Students will be able to identify the relationship or Synchronization between structure and function at all levels: molecular, cellular, and organism. Students should be able to identify, classify and differentiate diverse chordates and non-chordates based on their morphological, anatomical and systemic organization. This will create a curiosity and awareness among them to explore the animal diversity and take up wild life photography or wild life exploration as a career option.

The students will be acquiring basic experimental skills in various techniques in the fields of genetics; molecular biology; biotechnology; qualitative and quantitative microscopy; enzymology and analytical biochemistry.

These methodologies will provide an extra edge to our students, who wish to undertake higher studies. Students will be able to explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system.

Acquired skills in diagnostic testing, haematology, histopathology, Staining procedures etc. used in clinical and research laboratories will Provide them opportunity to work in diagnostic or research laboratory. Candidates find opportunities in government departments, environmental agencies, universities, colleges, biotechnological, pharmaceutical, environmental/ecological fields. There are numerous career opportunities for candidates completing their B.Sc, M.Sc and Ph.D. in Zoology in public and private sector. Candidates may find jobs as Animal Behaviourist, Conservationist, Wildlife Biologist, Zoo Curator, Wildlife Educator, Zoology faculty, Forensic experts, Lab technicians, Veterinarians etc.
4. Botany UG (Hons) :-Students enrolled for program trained with essential skills and abilities and got opportunity to master in following objectives:
To learn different terms used with respect to plants around us.

To articulate factual and contextual knowledge with respect to our body and plants as a whole.

To use knowledge to make life better in term of environment and earning by developing knowledge into technology.

Develop ability to use bibliographical tools for advance study in Botany.

5. Mathematics UG (Hons):-On completion of program students develop critical understanding of solving complex problems, interpreting data, along with knowledge of different theories of mathematics and their applications.

6. Geography UG (Hons):- On the completion of program students develop critical analysis of landscape, sustainable development, earth resources, and environmental problems aeries as result of human interference.

Use for Remote Sensing as a tool for data generation data acquisition and data analysis

Application of computer in cartography

Process of Mapping

Use of GIS in cartography and geographical information system

7. History UG (Hons) ;-

On completion of program students develop better sense of understanding regarding their religion, religious institutions, administration, society and economy of our country from ancient period to modern period.

After the completion of program they knew about the glorious history of their country. After the study of history of freedom struggle a sense of patriotism develop in their heart.

Students develop practical skill to develop historical maps, chart diagram models, presentation to facilitate easy understanding of historical events and their significance in present context.

8. Sociology UG(Hons) :-

On the completion of the program students understand concept of social relation, social transactions, social social control, social formation ,social values , social groups ,social culture . Students achieve better understanding and critical sensitivity and able to understand significance of social institution like marriage, caste system, religion, nationalism, integrity equality and justice. Develop ability to use bibliographical tools for advance study in Sociology.

9. Political science UG (Hons) :- On completion of program students understand concept of power, Authority , Liberty , Equality , Sovereignty , Rights ,origin of State ,Function of State , Political Parties ,Pressure Groups , Features and sources of Indian and Western Political Thought and Thinkers.

Indian Government and Politics, Function of Legislature, Executive and Judiciary, Comparative Government and Politics in context of other countries, Constitution and Constitutionalism , Approaches to study of international Politics and Different international organisation ,Public and Private Administration and different Political Ideologies , Major issues in Contemporary Politics.

10. Philosophy UG (Hons):- On the completion of program students understands epistemology, Metaphysics and Axiology and empowered with Intellectual strength and

power of ideas, along with way of meaningful life. Develop ability to use bibliographical tools for advance study in Philosophy

11. Psychology UG (Hons):-

Vision statement *“The Vision of Good Psychology is to empower communities with knowledge of mind-body relationships to eliminate unnecessary illnesses and improve quality of life.”*

The department of psychology focuses on student’s growth so that they can understand basic concepts of psychology and also use these concepts for their betterment.

On completion of this course cum syllabus, students will be able to grasp basic understandings of the science and history of psychology, ethical issues in psychology, biological basis of behaviour, and basics concepts of general psychology (learning, memory, perception, thinking, emotion, motivation, intelligence etc.) and applied aspects of these basic concepts.

Students will also be able to evolve basic understandings of definition and scope of psychology, history and researches in social psychology, social behavior as aggression, leadership, helping behavior, interpersonal behavior, social perception, social attitude and applications of social psychology in the different areas of health, environment etc

They will also be able to understand basic understandings of meaning and criteria of abnormality, personal adjustment, and historical perspective of abnormality, classification system of DSM for abnormal behaviour, human adjustment and coping, conflicts, pressures & frustration, factors influencing stress tolerance and coping with stress by using different strategies, types of disorder, clinical picture and brief idea of etiology of disorder, systems of Psychology- different approaches and schools of psychology etc.

12. Economics UG (Hons) :-On completion of program students understand and analyse micro and macro theories of economics and understand working at India and world economic scenario. Students understand Business statistics and Mathematic with respect to different theories. Develop ability to use bibliographical tools for advance study in Economics

13. Home science UG (Hons) :-

- Understand and appreciate the role of Interdisciplinary sciences in the development and Well- being of individuals, families and Communities.
- Understand the importance of food and health to Enhance the quality of life of people.
- Acquire professional and entrepreneurial skills for Economic empowerment of self in particular, and Community in general.
- Develop skills in food, nutrition, textiles, housing, Product making, communication technologies and Human development.
- Take science from the laboratory to the people

14. Hindi UG (Hons) :- To understand and interpret the various aspects of Hindi Literature and its literary forms to fetch a complete Canvas of literature and society.
To make an attempt to discover the morphology, phonology and syntax of Hindi.
Elaborating and designing simple ways of learning the philosophical methods of Hindi literature and its importance in contemporary society and its people.
Also exploring the importance of official language Hindi worldwide. And its importance in Media and Television and Translation.
15. English UG (Hons): -
- A. Critical Thinking:- Students will be able to critically analyse and understand the texts by applying theories and identifying patterns.
 - B. Effective Communication:- The capacity of expressing critical and rhetoric ideas in speech will make their language effective.
 - C. Social Interaction:- The students will interact effectively with the delegates, faculties and the other leading personalities as well as the other members of the society.
 - D. Writing: The students will be able to understand and learn the creative writing, and will develop their cognitive skills to differentiate between formal and informal writing.
 - E. Ethics:- The students will be able to adapt and follow the moral conundrums of daily life, and will be able to recognize the right path on the basis of the values inculcated in them by the institution.
16. Urdu UG (Hons):-On completion of program students understand development in Urdu with contemporary social, economic and political issues at national and international level. Students develop writing and speaking skills along with enrichment of Urdu vocabulary. Develop ability to use bibliographical tools for advance study in Urdu.
17. Maithili UG (Hons):- On completion of program students understand Maithili Literature, Literary work, Poetry .students develop competency in speaking, writing, expressing their thoughts in more effective and impressive manner. Develop ability to use bibliographical tools for advance study in Maithili.
18. Sanskrit UG (Hons):- On completion of program students understand Sanskrit Literature, Literary work, poetry etc. Students develop competency in writing, speaking, expressing thought in most effective and impressive manner. Develop ability to use bibliographical tools for advance study in Sanskrit
19. B.Com. (Hons.) programme offered by K.S College as a constituent college of L.N Mithila University is designed to enable and empower students to acquire the necessary knowledge, skills and abilities to analyse and synthesize the contemporary realities of the domain of business. This programme aims at instilling conceptual and practical understanding to equip students to manage businesses and organisations, and prepares them to drive and face the challenge of tomorrow. It also encourages the students to explore the world of finance and digitization in the relevant field. Further, this course is designed to help cultivating entrepreneurial mindset and skills.

COURSE SPECIFIC OUTCOMES

1. Botany :-

To learn structure , life cycle ,and economic importance of different members of plant kingdom with special reference to Algae , Fungi , Bryophytes , Pteridophyte ,Gymnosperm along with some fossils.

To learn plant physiology, ecology, Gene manipulation for betterment of humankind along with molecular level information of process occurs inside each and every cell including plant cell.

To be able to perform experiments and interpret the result of observation.

To apply collected information in evaluating and formulating different requirement of day to day in life.

2. Zoology :-

- √ Students will have learning about the basic taxonomy and systematic and classification of Protozoa, Porifera, Cnidaria and Helminth groups. They also will acquire knowledge about the biology of these taxonomic categories as well as about some acoelomate plus pseudocoelomate parasites for their life cycles, epidemiology, pathology, diagnosis, symptoms and treatments. They will also have knowledge about the basics of parasitology such as origin and evolution of parasitism, role of vectors, parasitoids, host-parasite interactions etc.
- ✓ They might have the knowledge about environmental biology in details. They will acquire knowledge about various tools and techniques of field ecology. Students will understand the structures, positions and functions of plasma membrane and all cellular organelles in details. They will acquire knowledge about chromosomes and cell divisions, both mitosis and meiosis. They will also know about cell signalling and cancers.
- ✓ Students will learn about basics of histology and tissue staining. They will also understand the physiology of muscles, nerves, reproductive systems and bone. They will learn details of endocrinology with classification of hormones, their biosynthesis, receptors, mode of molecular actions, physiological function, feedback controls and related disorders.
- ✓ Students will learn the different aspects of early, late and post embryonic developments. They will have the knowledge about implications of developmental biology in various fields, such as in teratogenesis, stem cell biology, in vitro fertilization, cryopreservation, cord blood transfusion etc.
- ✓ Students will know about population genetics, human evolution, various concepts about origin of species, extinctions, phylogenetic tree making. They will also understand few basic of bioinformatics.
- ✓ Students will know in details about patterns of behaviours, survival strategies, social and cooperative behaviours, design of signals and chronobiology. They will also know to construct ethograms.
- ✓ Student will learn details about taxonomy and biology of fishes as well as various aquaculture techniques in details.
- ✓ Student will acquire knowledge about biology of pollinations and pollinators. They will also know the mode of pollinations and the factors that regulate pollination.

3. Physics:-
 - To learn different terminologies of different branches of physics.
 - To understand physical, graphical and mathematical interpretations.
 - To be able to perform experiments and interpret the result of observation.
 - Develop mathematical skill to connect with requirement of physics.
4. Chemistry:-
 - On completions of program, students gained the theoretical as well as practical knowledge of Chemicals. Understand the importance of the elements in the periodic table, including their physical and chemical nature and role in the daily life. Learn the Laboratory skills and safety to chemical preparation. Improve the skills of students in Organic research area. Understand the application of mathematical tools to calculate the thermodynamics equation.
5. Mathematics :-
 - To learn various forms of equations of plane, square, cone, sphere etc.
 - Develop ability to differentiate between roots and coefficient, and to solve Euclidean Algorithm, etc.
 - Define Vector space, Quotient space, direct sum, linear transformation, rank, nullity and null space, etc
 - To learn countable and uncountable set, holder, Minkowski inequality etc.
6. Geography:-
 - To learn fundamental nature and scope of along with different terms .
 - To learn to change size of maps and interpret tropical maps , cartograms , different diagram , along with other practical work.
 - To learn Atmosphere layer, soil problems Major River project, rural, urban and industrial areas etc.
7. History: -
 - The basic idea of teaching history to students to create interest in study of history.
 - Besides this to develop critic sense among the students, so that they can write anything without any prejudice.
 - In Indian history we teach ancient history, medieval history and modern history.
 - In World history, students study Industrial Revolution, American war of independence, French Revolution, Russian Revolution, Glorious Revolution etc.
8. Sociology:-
 - To learn Fundamentals of Sociology, nature and scope of social groups, social establishment, family, etc.
 - To learn social and political institution of Indian society with special reference to Bihar.
 - To understand scientific methods, Hypothesis, Social survey, Sociometry, Research Methodologies, etc.
 - To learn and understand social thoughts of various sociologist.
9. Political science:-
 - To learn nature, scope and significance of Political Theory
 - To understand concept of Sovereignty, Authority, Legitimacy, Democracy.
 - To understand Function and Role of Political Parties, Pressure groups, state Government, union government.
 - To understand Indian and Western Political Thoughts

To understand Indian Govt. and Politics and International Politics.
To understand Constitutionalism.
To understand Public Administration.
To understand Different Political Ideologies .

10. Philosophy:-To understand basic features of Indian philosophy along with Jainism, Buddhism, Yoga, Mimansha, Vedanta etc.
To learn and understand Indian and western philosophy.
To understand logic and analysis, Argument, Argument forms, Tautology, etc.

11. Psychology:-
To learn and correlate nervous system development at different stages of life with help of different theories.
To learn about history of psychopathology and dynamic aspect of mind, Dreams, Mental problems.
To understand verbal learning, sensory motor learning, different case studies.

12. Economics:-
To learn concept of money, monetary policies, Inflation concept, etc.
To understand Micro and Macro Economic theory , along with concept of Market , theories of rent , interest Wages , ; Money theories etc.
To understand characteristics and challenges of growing population along with government programs in agriculture, land reforms, foreign trade etc.

13. Home science:-
Foods and Nutrition

- Understand the concept of food and nutrition.
- Understand the effect of cooking on food.
- Explain rationale for nutrient Intake recommendations across the Lifespan.
- Describe a healthy diet and food Choices, and explain why such Choices will help prevent health Problems.
- Create awareness about food preservation, meal planning and Nutritional requirements.
- Understand various processes involved within the body.

Clinical Nutrition and Dietetics

- The basic principles of Diet and diet therapy.
- Acquire the knowledge of Modifications of normal diet for Therapeutic purposes.
- Apply the principles of diet for the Management of various diseases like: Diabetes mellitus, Renal diseases (Nephritis, Nephrotic Syndrome, Acute and chronic renal failure) , Liver diseases(Jaundice, Cirrhosis), Digestive elements (Diarrhoea, constipation, Peptic Ulcers).
- Use the nutrition care process for Special conditions like allergy, Cancer and Burns.

Human Development

- Developing awareness of important aspects of development During the life span of an individual. Become acquainted with developmental stages from birth to Old age.

- Perceive the importance of family and the community in the Development of the children with special needs.

Clothing and Textiles

- Gain knowledge on the characteristics of fabrics and Their use.
- Understand the methods of maintaining different Fabrics, their finishing and storage.
- Learn the basic stitching skills and acquiring Knowledge about embroidery.
- Know the basics of Computers.

Home Management

- To understand the Fundamentals of resource management in a Changing scenario.
- To inculcate skills in identifying, creating, selecting and using Available resources judiciously with emphasis on Maximization and conservation.
- To understand the scientific application of the process Management in the judicious use of resources, work simplification processes.

Extension Education

- understand the concept of communication and extension And its relevance ' for self and national development.
- Appreciate the role of Home Science extension in Community development.

14. Hindi:-

Understanding the origin of Hindi language and its literature.

Studying as well as analysing of the development and stages of dialects of Modern Aryan Indian languages.

Development of Hindi as an Official Language and its implementation to the Pan India.

Developing teaching pedagogy to understand the concept of History of literature. it emphasis and rediscover the socio-cultural lineage and rich ethos of Hindi Literature. The study of classification of Hindi literature and various forms of literature-prose, poetry, travelogues, sketch, Biography and Autobiography helps to draw a vivid picturesque of people and society.

Hindi being an official language of India holds a strong position in today's post-modernist Era. Inculcation of Media (print and electronic) Studies, Translation Theory, Prayojanmulak Hindi, Drama and Theatre helps the students to explore new domain of knowledge and research.

Understanding the features of Aadikal, Bhakti kaal, Reetikaal and Aadhunik kaal, in context of Socio – cultural and political condition of that period. The various sub-division of these periods helps to rediscover the glorious past.

Identifying the eminent Hindi writers of each period and developing the ability to write critics on their work. In addition to this, a descriptive and comparative study of Indian and Western poetics is remarkable achievement of the course program.

Encourage the literary trends of Modern Hindi Literature, Various discourses-Dalit Discourse, Women Discourse, Subaltern Theory, Folk and Tribal Writings adds new perspective of interpretation of Hindi literature and society.

15. English:-

- A. HISTORY OF ENGLISH LITERATURE:- In this paper students will come across the background, history , range, significance and development of English Literature from the beginning to the contemporary era. Growth and evolution of language also would be there to enhance their cognitive skills.
- B. Poetry from Chaucer to Modern period:- Development and understanding of Poetry and acquirement of rudiments of Rhetoric and Prosody.
- C. Dramas from the Elizabethan to the Modern period:- Textual analysis of specific texts, enable students to understand the evolution, development and the structure of dramas from thematic and critical points of views.
- D. Novel, Essays and Short stories: Progress of their adaptation and acquaintance with fiction and non-fiction from the Jacobean to the Modern period. Critical examining of Novels from 18th century onwards along with commonwealth and Diaspora writings.
- E. Criticism: Close and textual analysis of the theories and fundamental development in their evolution from Plato to T.S. Eliot, and to understand the viewpoints of New Criticism.
- F. Indian English Literature: To understand and get acquaintance with the different genres of writings in English literature from India.
- G. American Writing:- To understand the features of American culture and works of significant writers of poetry, Dramas and Prose fiction from the wide range of Literary history.
- H. Linguistics: Evolution, Adaptation and Development of English language will enable students to get indebted with the various forms and skills of English language.

16. Maithili :-

To learn and understand Maithili Literature.

To learn Essay and Prose in Maithili.

To learn and understand Maithili rachna of Jyotirishwar Thakur, Vidyapati Geet, Chanda Jha and Harimohan Jha.

To learn and understand literary criticism, essay of dramatic poetry, study of different poets and Writers like Vidyapati, Chanda Jha and Baidhnath Mishra 'YATRI'.

To learn and understand novel and story of maithili in modern time period like ' Atit' of Umanath Jha 'Kanyadhan' of Harimohan Jha 'Prithviputra' of lalit.

17. Sanskrit:-

To learn and understand Sanskrit Literature.

To learn Essay and Prose in Sanskrit

To learn and understand literary criticism, essay of dramatic poetry, study of different poets.

18. Urdu :-

To learn and understand Urdu Literature

To learn and understand literary criticism, essay of dramatic poetry, study of different poets of Urdu.

To learn to write Urdu and translate any English and Hindi into Urdu.

19.) B.Com. (Hons.) The courses of this programme have been designed to promote understanding of the issues in the world of business, finance and the economy as a whole. The Programme will help understand the student understand and evaluate various systems, policy frameworks and strategies needed to administer the rapid changes in an organization's globally oriented environment like equipping students with an understanding of the financial system, its

constituents, the principles on which it operates, inter-linkages and regulatory concerns apart from exposure of different functional domains of management.