

Student Performance and Learning Outcome

U.G. Program Outcome

I. Program Outcome of Bachelor of Arts (B.A.)

Student seeking admission for B.A. programme are expected to imbue the following qualities which will help them in their future life to achieve the expected goals.

- a. Realization of human values.
- b. Sense of social service.
- c. Responsible and dutiful citizen.
- d. Critical temper
- e. Development of creative ability

B.A. (Hindi)

Program Specific Outcomes

1. Developing reading, writing, listening and communicative skills.
2. Availing job opportunities in translation.
3. Increasing critical attitude about literary writing.
4. Creating an interest in Hindi literature.
5. Imbuing the literary research attitude.

Course Outcomes

1. Spoken communication and written communication in Hindi.
2. Writing of Resume, letters of application, business letters.
3. Writing News-report, Essay, paragraph, review, etc.
4. Narration of experience, daily routine.
5. Understanding and interpretation of poem, prose, essay, short stories, etc

B.A. (ENGLISH)

Programmes Specific Outcomes

A student, who has taken admission into this program of B.A with English as specific subject of study is expected to target on following outcomes.

- a. Basic knowledge of English as Language.
- b. Higher knowledge of English as Literature.
- c. Basic knowledge of English Grammar.
- d. Critical study of English Literary studies.
- e. Relation between of literature and real life.

Course Outcomes

1. Spoken communication and written communication.
2. Writing of Resume, letters of application, business letters.
3. Writing News-report, Essay, paragraph, review, etc.

4. Narration of experience, daily routine.
5. Interview Techniques.
6. Understanding and interpretation of poem, prose, essay, short stories, etc.

(Optional & Special English)

1. Knowledge of literature
2. Insight into literature forms such as novel, poem, play, and essay.
3. Critical understanding of literature.
4. Relation between literature and real life.
5. Emotional development of human mind.

B.A. ECONOMICS

Programme Specific Outcomes of Economics

1. Understanding how different degrees of competition in a market affect pricing and output.
2. Understanding the efficiency and equity implications of market interference, including government policy.
3. Developing research knowledge in economics.
4. Developing the skill of data collection & use of sampling techniques in research.
5. Developing the knowledge about theories of Economic growth & Development and issues of economic planning.
6. Creating awareness about changing macro-economic policies and theories.

Course Outcomes of Economics

Indian Economy

1. Understanding characteristics, features, structural changes in Indian Economy.
2. Comprehension of the nature and impact of New Economic Reforms on the Indian Economy.
3. Knowing the problems of unemployment, poverty, rising economic and social inequality and problems of regional imbalances in India.
4. Evaluating the changing role of agriculture, industrial and service sector, and foreign sector in Indian Economy.
5. Measuring the problems and prospects of cottage and small-scale industries, and industrial sicknesses.
6. Measuring the growth, volume, composition, and direction of India's foreign trade and capital inflow .

Banks and Financial Institutions

1. Understanding the meaning, function and role of commercial banking.
2. Comprehending the procedure of an account opening, operating and closing.
3. Knowing the structure, function and role of RBI in economic development.
4. Judging the progress of financial inclusion.
5. Evaluating the importance, characteristics and components of the financial Market.

6. Understanding the role and types of development banks and Non-banking financial intermediaries.
7. Identifying recent trends in Indian Banking such as E- Banking, MICR Clearing, ATMs, Credit cards and Debit Cards, Travelers Cheques, Gift Cheques, Demat Account.

Macro Economics

1. Identifying the basic concepts and theories of Macroeconomics.
2. Awareness about changing macroeconomics policies and theories.
3. Understanding various concepts such as; GDP, GNP , Personal Income, Disposable Income, Per Capita Income, and National Income.
4. Identifying the factors determining gross domestic product, employment, the general level of prices, and interest rates.
5. Realizing the law of markets, consumption function and investment function.
6. Judging the role of fiscal policy and monetary policy in a Developing economy.
7. Knowing features, phases and theories of trade cycles.
8. Evaluating types, merits and demerits of taxes.
9. Comprehending the role of public finance in developing economy.

Microeconomics

1. Knowing the decision making of consumer, Identifying the nature of revenue and cost of production.
2. Comprehending the demand function and production function.
3. Realizing various production theories.
4. Understanding the meaning of Marginal, average, total revenue, and Marginal, average and total cost and its implication.
5. Awareness of different markets structure.
6. Understanding pricing in different markets.
7. Judging the factor pricing.

Research Methodology

1. Understanding the basic framework of research process.
2. Defining various research designs and techniques.
3. Identifying various sources of information for literature review and data collection.
4. Discussing the ethical dimensions of conducting applied research.
5. Appreciating the components of scholarly writing and evaluation of its quality.
6. Knowing various aspects of Research in Economics.
7. Understanding various data analysis techniques (Mean, Mode, Median, Range, Standard Deviation, Karl person coefficient of correlation).
8. Interpretation of data and report writing.

Economics of Development

- 1 Understanding the concept and aspects of economic Development.
2. Knowing the theories of economic growth & Development.
3. Measuring the concept and issues of economic planning.
4. Discussing the need, types, and necessary conditions of economic planning.

International Economics

- 1.Elaborating the importance of the study of International Economics.
2. Finding similarities and dissimilarities in inter-regional and international trade.
3. Knowing the changes in the import-export policies of India.
4. Evaluating various types of exchange rates and its merits and demerits.
5. Discussing the types and effects of tariffs and quotas.
6. Judging the function, merits and demerits of Foreign Capital, and International Corporation (IMF, IBRD, WTO and SAARC)
7. Realizing the volume, composition and direction of Balance of trade and Balance of payments

B.A. HISTORY

Program Specific Outcome

1. Understand the basic themes, concepts, chronology, and the Scope of Indian History.
2. Be Acquainted with a range of issues related to Indian History and its distinctive eras.
3. Understand the history of the countries other than India with comparative approach.
4. Think and argue historically and critically in writing and discussion.
5. To study further in the applied field of history as archaeology.

Course Outcome

1. Demonstrate knowledge of India and world history.
- 2.Analyze a variety of primary sources.
- 3.Analyze secondary sources for their argument and use of supporting evidence.
- 4.Discuss current concerns, new theories, new evidence and issues that shape the history of historical interpretation.
- 5.Conduct historical research and support with appropriate primary and secondary source materials.

B.A. GEOGRAPHY

Program Specific Outcome

1. Study the types of land and processes.
2. Understand the structure, composition of different spheres of the earth and its Atmosphere.
- 3.Understand importance of oceans, rivers and water and find the ways of their conservation.
4. Understand the Function and types of Biogeography.

Course Outcomes :

Physical Geography

1. Understand the effect of rotation / revolution of the Earth
2. Know the internal structure of the earth, know the importance of longitudes & latitudes, International Date line and Standard time
3. Understand interior structure of the earth
4. Understand Theory regarding of Origin of Continents and oceans
5. Study the formation of Rocks, Understand the work of internal and external forces and their associated landforms.
6. Understand the importance of Atmosphere
7. Understand the composition of atmosphere
8. Know Measurement of Atmospheric Pressure and formation of Pressure Belts
9. Understand the types of winds

Human Geography

1. Understand the relationship of man and environment
2. Studies of races of mankind.

Geography of Jharkhand

1. Understand the Geographical profile of Jharkhand
2. Study the Major rivers in Jharkhand
3. Study of major crops of Jharkhand
4. Acquire knowledge of forests in Jharkhand

Remote Sensing & GIS

1. Understand the History of Remote Sensing
2. Acquire Knowledge of Arial Photographs and Satellite Imageries
3. Acquire Knowledge about Indian Remote sensing.
4. Investigate components and function of GIS
5. Study GIS Data models.
6. Introduce GPS and Its Functions.
7. Make use of GIS & GPS software.

Population Geography

1. Understand the history of population
2. Understand the types of data
3. Study of distribution and density of population.
4. Get knowledge of population theories.
5. Investigate Current Issues and Problems in India

B.A. POLITICAL SCIENCE

Program Specific Outcomes

1. Knowledge about political system of the nation.
2. Study of national and international political systems & affairs.

3. Study from competitive examination point of view.
4. Understanding the government mechanism, its functions, duties and responsibilities.
5. Grooming of appropriate and efficient political leaders.
6. Getting knowledge of political law.
7. Getting knowledge of Constitution of India.

Course Outcomes

Indian Government and Political System

1. Acquiring the knowledge about Indian Constitution.
2. Getting awareness about one's rights and duties.
3. Getting information about political parties and system of justice in India.
4. Knowing about the problems and challenges in Indian politics.

Indian Political Thought

1. Study of the Indian Political Thinkers and their thoughts.
2. Study of the contribution of political thinkers in independent movements and their need for modern society.

Public Administration

1. Study of the administrative system of the nation.
2. Getting information about various concepts in Public Administration.
3. Study of the mechanism for the solution of problems in Public Administration

The Constitution of America, Britain, Switzerland, and Russia

1. Getting knowledge and information about Constitution and Government.
2. Comparative Study of different constitutions.

International Relations: -

1. Study of the International political system.
2. Study of International & regional organizations.
3. Study of the relations of India with neighbouring countries.

Western Political Thought: -

1. Getting knowledge & information about western political thinkers and their political thoughts.
2. Comparative study of the ancient political thoughts and modern political thoughts.

B.A. PSYCHOLOGY

Program Specific Outcomes:

1. Enhancement of stress management skills.
2. Enhancement of coping skill with different problems in life.
3. Enabling ability to measure attitude, aptitude, interest, adjustment, skillset etc. of the people.
4. Introduction to counselling process and techniques.
5. Illustration of mental disorder and treatment

Course outcomes

Foundations of Psychology

- 1) Making familiar with the foundations of Psychology.
- 2) Acquaintance with cognitive process, states of consciousness and learning.
- 3) Acquaintance with memory processes.

General Psychology

- 1) Making familiar with the field of general Psychology.
- 2) Acquaintance with intelligence, motivation and emotions.
- 3) Acquaintance with Personality

Child Psychology

1. Understanding the beginning process of life.
2. Knowledge about the Prenatal, Infancy and childhood developmental Processes

Social Psychology

1. Understanding the social process.
2. Understanding the social perception.
3. Acquaintance with the knowledge of Interpersonal Attraction
4. Understanding the Processes of Aggression.

Development Psychology

1. Understand the development processes of Adolescence, early Adulthood, Middle Adulthood and Late Adulthood

Applied Psychology

1. Understanding the applications of psychology.
2. Knowledge about the interpersonal communication process.
3. Understanding the stress and its effect.
4. Knowledge of the relationship between psychology and physical health.

Psychopathology

- 1) Getting acquainted with field of psychopathology.
- 2) Introduction to various models of abnormality Knowing about the nature, types and perspectives of Anxiety and disorders of childhood and adolescence

Educational Psychology

1. Introduction to the field of educational Psychology.
2. Acquaintance with moral development of children, teaching learning processes and motivation for learning.

Practical-Experiments

- 1) Introducing Psychological experiments.
- 2) Imparting the knowledge and skills for conducting experiments and writing their reports.
- 3) Introducing some statistical methods

Psychological Testing

- 1) Introduction to the field of psychological testing in general.
- 2) Acquaintance with the nature and uses of psychological test
- 3) Understanding the nature and other description of intelligence test, ability tests and personality tests.

Counselling Psychology

1. Introduction to the field of counseling Psychology.
2. Comprehending the applications of counseling Psychology in the fields of career, marriage, couple, and family Counseling

Personal Psychology

1. Introducing the field of personal Psychology.
2. Acquaintance with study of communicating effectively valuing diversity and goal achievement.

Psychology of Organizational Behaviour.

1. Introducing the field of organizational Behaviour.
2. Introducing study of personality, values, group Processes and changes in organization settings.

Practical: Psychological Tests

1. Introduction to Psychological tests.
2. Imparting the knowledge and skills for administering psychological tests and writing their reports.

BACHELOR OF COMMERCE (B.COM)

Program Outcomes

Students who have taken admission to this program of B. Com are expected to concentrate upon the following outcomes.

1. Commercial sense.
2. Develop managerial skills.
3. Entrepreneurial skill.
4. Budgeting policy.

5. Human Resources Management.
6. Develop Numerical ability.
7. Well versed with business regularity framework.

Program Specific Outcomes:

ACCOUNTANCY

1. Understanding basic concepts of accountancy, principles of accountancy and accounting cycle to maintain accounts of trading & non-trading organizations.
2. Getting acquainted with the procedure of preparation of income statements, retained earnings, balance sheet and statement of cash flows which are required for external users and more useful to managers for managerial decision making.
3. Inculcating different skills for analysis and interpretation of financial data to understand financial health of an organization and ensure that resources are being used to achieve the organizations objectives.
4. Developing knowledge about cost ascertainment and fixation of selling price and cost control.
4. Obtaining the knowledge of various provisions of Income Tax Act and their applications in computations of taxable income of an individual under different heads of income.
5. Getting working knowledge of generally accepted auditing procedure, techniques, and skills.

Course Outcomes of B. Com.

Business Economics

1. Understanding the link between business economics and business decision.
2. Realizing the importance of demand forecasting and method of demand forecasting.
3. Justifying the demand function and production function.
4. Evaluating various production theories.
5. Clarifying the meaning of Marginal, average, total revenue, and Marginal, average, and total cost and its implication.
6. Understanding different markets structure in marketing system

Financial Accounting

- 1 Understanding the concepts of financial Accounting
- 2 Exposure to nature and advantages of Accounting, Accounting concepts and conventions.
3. Introduction to Accounting standards in India
4. Obtaining the knowledge of computerized Accounting.
5. Getting knowledge about accounting procedure of partnership firm, accounts of professionals, single entry system, branch accounts and consignment accounts.

Principles of Business Management

1. Supporting to Achieve Group Goals.
2. Knowledge about motivating employees by providing financial and nonfinancial incentives.
3. Evaluating the economic growth and development of an organization.

4. Understanding the relation between individuals, groups, departments and between levels of management.
5. Comprehending the human resource productivity.

Principle of Marketing

1. Enhancing the skill of marketing among students.
2. Providing different techniques of marketing for increase of sales.
3. Creating the sense how to behave in the market while buying or selling of product.
4. Understanding how to undertake crucial task such as competition analysis, production etc.
5. Providing information about buying pattern and different attitudes of consumers.

Insurance

1. Knowledge about importance of life insurance in own/family life And General Insurance in Trade & commerce.
2. Knowledge about business procedure of different Insurance Companies
3. Creating ability to handle critical situation and security about different perils (like fire, theft) and getting procedure of compensation.

Corporate Accounting

1. Exposure to the issue of shares and debentures of the company
2. Attainment of knowledge about accounting procedure of company final account.
3. Understanding the accounting procedure amalgamation and absorption of company
4. Ability to get the knowledge about valuation of shares.
5. Understanding the accounts procedure of liquidation of Ltd. company.

Business Economics

1. Understanding the basic concepts and theories of Macroeconomics.
2. Awareness about changing macroeconomics policies and theories.
3. Justifying various concepts such as; GDP, GNP NNP, Personal Income, Disposable Income, Per Capita Income, and National Income.
4. Explanation of the factors determining gross domestic product, employment, the general level of prices, and interest rates.
5. Acquaintance with law of markets, consumption function and investment function.
6. Understanding monetary policy of Central Banks and its implications.

Money and Financial System

1. Understanding the nature, functions and issues related to money, banking and non-banking financial intermediaries and financial system.
2. Knowing about changing role of banking and financial intermediaries in the process of growth & development.
3. Realization of the term structure, role and functions of RBI, NBFIs, Development Banks, Commercial Banks, Money Market, Capital Market and Forex Market.
4. Getting knowledge about

changing paradigms in Indian Banking (E-Banking, Mobile Banking Tele Banking, Core Banking – Retail Banking -ATM, Credit Card and Debit card, Kisan card).

Fundamentals of Entrepreneurship

1. Motivating students to acquire the skill to be an Entrepreneur
 2. Creating Entrepreneurial skill among the students.
 3. Creating awareness among students about self-employment/own business.
 4. Providing various innovative business ideas to the society.
 5. Developing a skill of stability in the business at critical situation. Business statistics
1. Making familiar with statistical tools which are relatively used in business.
 2. Imparting the ability to collect present, analyse and interpret data.

BACHELOR OF SCIENCE (B.Sc.)

Program Outcomes

Students taking admission to this program of B.Sc. are expected to get equipped with following outcomes:

1. Explaining the basic scientific principles and methods.
- 2.. Inculcating scientific thinking and awareness among the students.
3. Ability to handle the unexpected situation by critically analysing the problem.
4. Understanding the issues related to nature and environmental contexts and sustainable development etc

B.Sc.- (Chemistry)

Program Specific Outcomes

- 1 Creating interest in environmental issue.
- 2 Increasing working knowledge of instruments.
- 3 Obtaining the knowledge of pharmaceutical tables
- 4 Social awareness about the quality of water.
- 5 Increasing the practical skill of the students
- 6 Awareness about plastic garbage.

Course Outcomes

Physical chemistry

1. Developing problem-solving skills.
2. Developing scientific knowledge.
3. Developing working knowledge of instruments.

Inorganic Chemistry

1. Developing ability to apply the knowledge on contents of principles of chemistry.
2. Developing the power of appreciation, the achievement in chemistry and role

in nature and society.

Organic Chemistry

1. Developing spectral knowledge.
2. Developing proper aptitude towards the subject.
3. Creating scientific approach towards various chemical reactions.

Analytical Chemistry

1. Developing ability to acquire the knowledge of terms, facts, concepts, processors, technique and principles of subject.
2. Exposure to different processors used in Industries and their applications.

B.Sc. Mathematics

Program Specific Outcomes

1. Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.
2. Ability to understand both concrete and abstract problems.
3. Ability to make critical observations.
4. Ability to accurately organize, analyse and interpret data.
5. Develop the mathematical logic which is very useful for solving mathematical reasoning problems.

Course Outcomes

B.Sc.-Maths- Complex number & Algebra, Calculus, Geometry, (Differential Equations)

1. Developing the interest towards mathematics.
2. Creating the relationship of mathematics with other subjects
3. Developing the understanding and fluency in mathematics thorough inquiry and connecting mathematical concepts.
4. Developing the knowledge of applications of derivative and integration,
5. Developing problem solving skills for various types of equations such as wave equation, heat equation and Lapse equations.
6. Developing several perspectives of differential equations.
7. Developing the knowledge of how to draw graphs, paths, walks and curvatures.
8. Creating interest with finite sets particularly those areas relevant to business.
9. Developing the knowledge of real number and real valued functions such as sequences convergence and continuity.
10. Studying the properties of real numbers), Study of algorithms that are used in numerical approximation.

B.Sc. Physics

Program Specific Outcomes

1. Identifying and describing physical systems with their professional knowledge.

- 2 Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.
- 3 Knowledge of general physics like sound, wave, friction, forces, and laws of motion and use of mathematics.
4. Information of electrical current, circuits, construction, and their use.
5. Learning about concepts of nuclear physics and nuclear energies and importance of their use for mankind.
6. Knowing about the light and its importance in life, its characteristics, properties and use in various instruments

Course Outcomes

By the end of this Course, students should be able to know about:

1. Different types of motions in nature
2. Difference between translational motion and rotational motion
3. Various elastic constants and property of Elasticity.
4. Surface tension and its application
5. Oscillations and waves and their properties.
6. Use of waves in general life.
7. Optics and properties of light.
8. What are the optical instruments and their development
9. General information of various types of gases and theories related to it.
- 10.. How gas can be liquefied? What are the conditions for liquefactions of gases?
11. Thermal properties of gases and various laws related in thermodynamics.
12. Transport phenomena in gases.
13. What is the origin of magnetic property of material?
14. Dielectric phenomenon and difference between polar and non-polar molecules.
15. Theory of semiconductor. Various devices like diode, triode, LED, photo diode and their applications.
16. The amplification of input signals and designing of amplifier.
17. Vectors and scalar and mathematical applications.
18. Processional motion and properties of the body.
- 19.. Elasticity of flat spiral spring.
20. Viscosity of liquids and mathematical theory related with it. Sound and property of sound and their uses.
21. Use of Cathode ray oscilloscope and functions of its parts.
22. Amplifier and feedback requirements in amplifier circuits.
23. Effects of positive and negative feedbacks.
24. Operational amplifier and their designing.

25. Lenses and various cardinal points.
26. Formation of Images by Newton's formula.
27. Properties of light like interference, diffraction and polarization with theory and experiments.
- 28.. Properties of optical fibre and use in telephone communication.
29. LASERS and applications in various fields.
30. Theory of relativity and its consequence.
31. Wave particle duality and development of new theory.
32. Development of vector atom model and its superiority on various other models.
33. Nuclear energy resources and their importance in modern life.
34. X-rays and their applications.

B.Sc. BOTANY

Program Specific Outcomes

1. Identifying different resources helpful for human life.
2. Identifying different groups of plants
3. Acquiring knowledge about inheritance, biochemical and metabolic activities.
4. Development of horticultural skill.
5. Acquiring knowledge about importance of environment.

Course Outcomes

Diversity in non-vascular plants. Algae, Fungi, Bryophytes and Industrial application.

- 1 Developing interest in plant diversity.
- 2 Developing skill of identification of Algae, Fungi and Bryophytes.
- 3 Creating interest in biological industry.

Plant Biochemistry, physiology and Ecology, Plant physiology, Ecology and Horticulture.

1. Acquiring basic knowledge about biochemical, physiological mechanism in plants.
2. Imparting knowledge of Horticulture-Diversity in vascular plants.

Pteridophytes, Gymnosperms, Angiosperms and Anatomy.

The student can acquire knowledge about

1. Diversity in vascular plant.
2. Characters of vascular plants and classification of plants.
3. External & internal characters of plants.

Cytology, Genetics and utilization of plants

1. Structure of cell.
2. Types of organisms and characteristics.
3. History, distribution, structure and functions of different cell organelles,
4. Transmission of character
5. Mendelism.
6. Resource of plants to fulfil the basic needs.

B. Sc. ZOOLOGY

Program Specific Outcomes

1. Improving knowledge about criteria for animal classification.
2. Study of salient features of chordates and non-chordates.
3. Improving knowledge of animals about their special adaptations and evolutionary relationship.
4. Scientific study of their nature of habitant with environment.
5. Improving information about external morphology and anatomy of animals including human being.

Course Outcomes

Animal Diversity

1. Understanding the arrangement of organism or groups of organisms in distinct categories in accordance with particular & well-established plan.
2. Explanation of unity in diversity of organism.
3. Studying specific & scientific names to organism.
4. Collecting information about useful and harmful animals, helps in understanding the nature of habitant.

CELL BIOLOGY AND GENETICS.

1. Understanding the structure and function of cell & cell organelles, to study animal tissue to improve knowledge about genetic information, to study how organism evolve from a single cell division, get knowledge about unicellular & multi-cellular organisms
2. Understanding normal function of cell, organ or tissue.
3. Study of structure, function, molecular organization, growth, reproduction and genetics of cell.

Ecology, Ethology, Evolution and Applied Zoology

1. Improving environmental component such as biotic and biotic factors.
2. Study of how each organism interlock with one another.
3. Perceiving prey predator relationship, study interrelationship of different organisms, to know about distribution of organism with reference to the geographical conditions, to improve knowledge related to undesirable change in physical, chemical, or biological characteristics.
4. Study of tropic level of food chain.
5. Understanding evolutionary history of certain animals, study their sericulture which is one of the largest agro industries & silk is used in the manufacture of woven materials.

Genetics and Biological Chemistry

1. Study of chemistry within living organisms.
2. Perceiving the chemical components & chemical structure in organisms.
3. Study of body functioning with the help of chemical molecules & elements.