

DEPARTMENT OF MATHEMATICS
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Course outcomes(COs)

SEMESTER-I

TITLE OF PAPER: DIFFERENTIAL EQUATIONS

CO1: Solve linear differential equations

CO2: Convert non-exact homogeneous equations to exact differential equations by using integrating Factors.

CO3: Know the methods of finding solutions of differential equations of the first order but not of the First degree.

CO4: Solve higher-order linear differential equations both homogeneous and non homogeneous with constant coefficients.

CO5: Understand the concept and apply appropriate methods for solving differential equations.

SEMESTER-II

TITLE OF PAPER: THREE DIMENSIONAL ANALYTICAL SOLID GEOMETRY

CO1: Acquire a level of proficiency in particular in using equation of plane in terms of its intercepts on axis. Equation of the planes through the given point length of the perpendicular from a given point to a given plane.

CO2: Explore the basic concept of the equation of a line, angle between the line and a plane, and the shortest distance between two lines.

CO3: Develop their knowledge and apply the skills in the study of the sphere.

CO4: Gain a broader understanding on cones.

CO5: Use the facts formulas and techniques learned in this course to prove applications to cones

SEMESTER-III

TITLE OF PAPER: ABSTRACT ALGEBRA

CO1: Able to study the properties of sets, and check whether the given set are groups or not and study various theorems which can be applied to study various algebraic structures.

CO2: Learn certain necessary and sufficient conditions for a non-empty subset of a group to become a subgroup and develop skills in solving problems in groups which facilitate, solving of problems in cosets.

CO3: Able to advance their ability to apply the necessary and sufficient conditions studied, to solve the problems in Normal Subgroups and learn the concept of Quotient group.

CO4: Learn fundamental theorem of Homomorphism, and will be able to deduce other homomorphism theorems and also learn the concept of automorphisms and related theorems.

CO5: Able to understand the concepts of permutation groups, cyclic groups, finding the number of generators of a cyclic group.

SEMESTER-IV

TITLE OF PAPER: REAL ANALYSIS

CO1: Get clear idea about the real numbers and real valued functions.

CO2: Obtain the skills of analyzing the concepts and applying appropriate methods for testing convergence of a sequence/series.

CO3: Test the continuity and differentiability of various functions.

CO4: Know the geometrical interpretation of mean value theorems.

CO5: Identify and verify Riemann integrable functions.

SEMESTER-V

TITLE OF PAPER: LINEAR ALGEBRA

- CO1: Able to understand Euclidean Vector spaces, their inherent and algebraic structure and the accompanying geometry.
- CO2: Able to acquire Knowledge on basis, dimension of vector spaces and their applications.
- CO3: Able to acquire facility working with general vector spaces, linear transformations coordinate vectors and the changing of basis.
- CO4: Able to gain proficiency in solving systems of Linear equations using matrices and find the characteristic equation, eigenvalues and corresponding eigenvectors of a given matrix.
- CO 5. Identify examples of inner product spaces that are different from Euclidean n space. Applying the properties of the inner product, the norm, the distance function, and the Cauchy Schwartz inequality in an inner product space.

SEMESTER-V

TITLE OF PAPER: RING THEORY AND VECTOR CALCULUS

- CO1: understand the importance of algebraic properties with regard to working with in various number systems.
- CO2: develop skills to analyze, improve and outline the logical thinking. Interpret how to know the ring theory using the internet.
- CO3: Use relevant numerical techniques to determine, and apply, the important quantities associated with vector fields such as the divergence, curl, and scalar potential
- CO4: Develop numerical skills in solving the problems involving evaluate line integrals solve line ,surface and volume integrals.
- CO5: Evaluate integrals using Green's theorem ,Stokes theorem and Gauss divergence theorem.

SEMESTER-VI

TITLE OF PAPER: NUMERICAL ANALYSIS(Elective)

- CO1 : Acquire knowledge in solving forward ,back ward difference problems
- CO2: Acquire basic knowledge in solving interpolation with equal interval problems by various

numerical methods. Estimate the missing data through interpolation methods.

CO3 : Acquire basic knowledge in solving problems using difference operators and various methods involving difference operators

CO4: Develop skills in analyzing the methods of interpolating a given data, properties of interpolation with unequal intervals and derive conclusions.

CO 5: Use relevant numerical techniques for develop numerical skills in solving the problems involving algebraic and transcendental equations.

SEMESTER-VI

TITLE OF PAPER: ADVANCED NUMERICAL ANALYSIS(Cluster-1)

CO1: Able to derive numerical methods for various mathematical operations and tasks, such as interpolation using differentiation

CO2: Able to solve problems using Simpson's rule , trapezoidal rule which involve integration. f

CO3: Analyze various methods to solve exponential , power series curves

CO4: Acquire knowledge on solving simultaneous linear system of equations using direct and iterative methods

CO5: Acquire knowledge on solving Ordinary Differential Equations using different numerical methods

SEMESTER-VI

TITLE OF PAPER: SPECIAL FUNCTION (Cluster-2)

CO 1 : Use relevant numerical techniques for Integrals involving Hermite Polynomial, Hermite's equation and its solution.

CO 2: Develop numerical skills in solving the problems involving Laguerre equation and its solution. Learn Properties of Laguerre polynomials and Rodrigue's formula, Orthogonality of Laguerre polynomial

CO 3: Develop skills in designing mathematical models for Legendre's Polynomials, the

Generating Function for Legendre's Polynomials, Orthogonally of Legendre's Polynomials, Legendre's Equation and its solutions.

CO 4: Develop skills in analysing the Properties of Bessel Function, Recurrence relationships, Generating functions, Bessel's Equation and its Solutions.

CO 5: Acquire basic knowledge in Integral Definition of Gamma and Beta Functions. Properties of Gamma and Beta Functions. Relations Between Gamma and Beta Functions.

DEPARTMENT OF HINDI
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Course outcomes(COs)

Course Outcomes

- Understanding the concept of History of the Hindi Literature.
- Understanding the literature trends.
- Developing the writing skills through the essays writing.
- Identifying the eminent Hindi writers of each period.
- Understanding the vocabulary of our Official language.
- Understanding the concept of Hindi prose.
- Developing the writing skill through litteratrice and general essays.
- Developing the Hindi reading skills through short stories.
- Developing the writing skills through Grammar.
- Developing the letter writing.
- Understanding the importance of translation.
- Understating the concept of Hindi Old and Modern Poetry.
- Understanding the literature trends of Bhakti kal.
- Understanding the relation between society and literature and analyse the role played by Hindi literature in past and present.

- Understanding the role played by the poets of Bhakti kal in literature and society.
- Describe the progressive nature of sant Kabir and his writings.
- Describing the philosophy of life as well as poems of Hindi writers AluruBaragi, Rajani Tilak, Jaishankar Prasad, Mahadevi Verma etc.

DEPARTMENT OF HISTORY

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

Course outcomes(COs)

TITLE OF THE COURSE:

Ancient Indian History and Cultural (from earliest time to 600 AD)

On successful completion of this course students will:

1. Identify and define various kinds of sources and understand how History books are shaped.
2. Compare and Contrast where as stages of progress from IVC to Vedic Age and analyze the Jain, Buddhist and Vedic faiths.
3. Increase the awareness and appreciation of transition from Territorial stats to emergency of Empires
4. Visualize where places are in relation to one another through map pointing ncient Indian History and Cultural (fro one another through map pointing

SEMESTER- II

TITLE OF THE COURSE:

Early Medieval Indian History and Culture (600 D toA 1526)

On successful completion of this course students will:

1. Understand the Socio cum Economic and Cultural conditions of Medieval India

2. Evaluate the establishment of the British Rule in India and understand the dangerous consequences disunity at all levels.

3. Analyze the Emergence of composite culture in India.

4. Visualize where places are in relation to one another through map pointing.

SEMESTER –III

TITLE OF THE COURSE:

Late Medieval and Colonial History of India (1526 to 1857 AD)

On successful completion of this course students will:

1. Unearth the true nature of the British rule disastrous impact of Indian Economy and Society
2. Rise above petty parochial issues after understanding the sacrificial, saga of Freedom Struggle
3. Evaluate the undercurrent of communal politics that led to India's partition and identify the enemies of India's integrity and sovereignty
4. Visualize where places are in relation to one another through map pointing

SEMESTER –III

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SEMESTER -IV

TITLE OF THE COURSE:

Social reform Movement and Freedom Struggle (1820 to 1947)

On successful completion of this course students will:

1. Student will learn about the environment, culture, tradition, practices of Indian people

2. They will acquire knowledge towards the urbanization and changing socio cultural scenarios of India
3. The students aware the knowledge about how to origin of the revolutions and reforms
4. Visualize where places are in relation to one another through map pointing

SEMESTER-IV(A)

TITLE OF THE COURSE:

History and Culture of Andhra Desam (From 12th to 19th Century AD)

On successful completion of the course, the students will:

1. Interpret social and cultural transformation from Medieval to Modern Andhra
2. Understand Gradual change are change in certain aspects of society in Andhra, rather than rapid or fundamental changes
3. Explain how the English East India Company became the most dominant power and outline the impact of colonial policies and different aspects in Andhra.
4. Apply the knowledge of the regional history to understand the regional linguistic and other cultural aspirations of the present day society
5. Visualize where places are in relation to one another through map pointing

SEMESTER-IV (B)

TITLE OF THE COURSE:

History of Modern Europe (19th century to 1945 AD)

On successful completion of the course, the students will:

1. Demonstrate advanced factual knowledge of World Histories, Politics and Cultures
2. Evaluate the causes for the Glorious Revolution and American Revolution and Identify the background for the Evolution of Human rights movements
3. Understand the main events of the French Revolution and its significance in the shift in the European culture from enlightenment to Romanticism

4. Know about the World Wars affected people all over The World and the destruction the caused
5. Think how Russia's traditional monarchy was replaced with World's first communist state.
6. Discuss about league of nation, UNO and International organizations.
7. Visualize where places are in relation to one another through map pointing

SEMESTER-V(A)

TITLE OF THE COURSE:

Tourism and Hospitality Services

Students after successful completion of the course will be able to:

1. Understand hospitality as a career
2. Inculcate interpersonal skills
3. Develop the ability for multitasking and crisis management
4. Understand the spirit of teamwork 5. Acknowledge the importance of guest service and satisfaction

SEMESTER-V(B)

TITLE OF THE COURSE:

Tourism Guidance and Operating Skills

Students after successful completion of the course will be able to :

1. Acquire tour guiding, operating and soft skills
2. Understand different situations under which one has to work
3. Cultivate cultural awareness and flexibility
4. Understand and apply team spirit 5. Plan and organize tour operations efficiently

SRI DNR GDC(W),PALAKOL
DEPARTMENT OF COMPUTER SCIENCE
Course Outcomes
Course Outcome of B.Sc.First Year

Course Outcome- B.Sc. Computer Science	
Semester I	
Course	Outcomes

PROBLEM SOLVING IN C	Upon successful completion of the course, a student will be able to: 1. Understand the evolution and functionality of a Digital Computer 2. Apply logical skills to analyse a given problem 3. Develop an algorithm for solving a given problem. 4. Understand 'C' language constructs like Iterative statements, Array processing, Pointers. 5. Apply 'C' language constructs to the algorithms to write a 'C' language program.
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**Course Outcome- B.Sc. Computer Science
Semester II**

Course	Course Outcomes
DATA STRUCTURES USING C	Upon successful completion of the course, a student will be able to: 1. Understand available Data Structures for data storage and processing. 2. Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and 3. Graph Choose a suitable Data Structures for an application 4. Develop ability to implement different Sorting and Search methods 5. Have knowledge on Data Structures basic operations like insert, delete, search ,update and traversal 6. Design and develop programs using various data structures 7. Implement the applications of algorithms for sorting, pattern matching etc

Course Outcome of B.Sc. Second Year

**Course Outcome- B.Sc. Computer Science
Semester III**

Course	Course Outcomes
DATABASE MANAGEMENT SYSTEM	Upon successful completion of the course, a student will be able to: 1. Gain knowledge of Database and DBMS. 2. Understand the fundamental concepts of DBMS with special emphasis on relational data model. 3. Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database 4. Model data base using ER Diagrams and design database schemas based on the model. 4. Create a small database using SQL. 5. Store, Retrieve data in database

Course Outcome- B.Sc. Computer Science
Semester IV

Course	Course Outcomes
OBJECT ORIENTED PROGRAMMING USING JAVA	Upon successful completion of the course, a student will be able to: 1. Understand the benefits of a well-structured program - Understand different computer programming paradigms 2. Understand underlying principles of Object-Oriented Programming in Java 3. Develop problem-solving and programming skills using OOP concepts 4. Develop the ability to solve real-world problems through software development in high-level 5. programming language like Java

Course Outcome- B.Sc. Computer Science
Semester IV

Course	Course Outcomes
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OBJECT ORIENTED PROGRAMMING USING JAVA	Upon successful completion of the course, a student will be able to: 1. Understand the benefits of a well-structured program Understand different computer programming paradigms 2. Understand underlying principles of Object-Oriented Programming in Java 3. Develop problem-solving and programming skills using OOP concepts 4. Develop the ability to solve real-world problems through software development in high-level 5. programming language like Java
OPERATING SYSTEMS	Upon successful completion of the course, a student will be able to: 1. Know Computer system resources and the role of operating system in resource management with algorithms 2. Understand Operating System Architectural design and its services. 3. Gain knowledge of various types of operating systems including Unix and Android. 4. Understand various process management concepts including scheduling, synchronization, and deadlocks. 5. Have a basic knowledge about multithreading. 6. Comprehend different approaches for memory management. 7. Understand and identify potential threats to operating systems and the security features design to guard against them. 8. Specify objectives of modern operating systems and describe how operating systems have evolved over time. 9. Describe the functions of a contemporary operating system

Course Outcome of B.Sc.Third Year

Course Outcome- B.Sc. Computer Science Semester V	
Course	Course Outcomes
Web Interface Designing Technologies	Upon successful completion of the course, a student will be able to: 1. Understand and appreciate the web architecture and services. 2. 2. Gain knowledge about various components of a website. 3. Demonstrate skills regarding creation of a static website and an interface to dynamic website. 4. Learn how to install word press and gain the knowledge of installing various plugins to use in their websites.
Web Applications Development using PHP& MYSQL	Upon successful completion of the course, a student will be able to: 1. Write simple programs in PHP. 2. Understand how to use regular expressions, handle exceptions, and validate data using PHP. 3. Apply In-Built functions and Create User defined functions in PHP programming. 4. Write PHP scripts to handle HTML forms. 5. Write programs to create dynamic and interactive web based applications using PHP and MYSQL. 6. Know how to use PHP with a MySQL database and can write database driven webpages.

SRI DNR GDC(W),PALAKOL
DEPARTMENT OF CHEMISTRY

Course Outcomes

Course Outcome of B.Sc. First Year

Course Outcome- B.Sc. Chemistry	
Semester I	
Course	Outcomes
	After completion of these courses' students should be able to;
USCCHT 01 - INORGANIC CHEMISTRY	CO-1 Knows the idea of de-Broglie equation and Heisenberg's uncertainty principal CO-2 To understand the quantum numbers and principal of extra stability. CO-3 To understand the periodic properties of elements in periodic table. CO-4 To explain the VBT and MOT of different molecule. CO-5 To discuss the alkali and alkaline earth metal with their properties. CO-6 Explain periodic properties of p-block element and diagonal relationship of Be Al. CO-7 Know the hydrogen bonding, chemistry of Nobel gas and volumetric analysis of acid-base.

(USCChT02)Organic Chemistry	CO-1 To understand the electronic displacement and concept of organic reactions mechanism. CO-2 knows the basic concept of isomerism and concept of chirality. CO-3 To describe preparation and application hydrocarbon. CO-4 To discuss the preparation of benzene with their chemical properties. CO-5 Explain the aromaticity and Huckel's rule of aromatic compounds.
USCCHP01 Practical's Inorganic Chemistry	Course outcomes. Co-1Volumetric Analysis of- 1) Preparation of standard solution by weighing and Preparation of 0.001 M solution from 0.1M solution by dilution. 2) Estimation of sodium carbonate and sodium hydrogen carbonate present in a mixture. 3) Estimation of Fe (II) by dichromate using internal indicator (n-phenyl Anthranilic acid) 4) Determination of commercial vinegar acetic acid in using NaOH 5) Estimation of oxalic acid by titrating it with KMnO₄ 6) Determination of zinc by complexometric titration with EDTA

Organic Chemistry

CO-2QUALITATIVE ANALYSIS OF-

1. Detection of extra elements (N, S, Cl, Br, I) in organic compounds (containing up to two Extra elements).
2. Systematic Qualitative Organic Analysis of Organic Compounds possessing mono functional groups (-COOH, phenolic, aldehydic, ketonic, amide, nitro, amines) and preparation of one derivative.
3. Separation of mixtures by Chromatography: Measure the R_f value in each case (Combination of two compounds to be given)

Course Outcome: B.Sc. Chemistry

SEMESTER –II

Course	Course Outcomes
USCCHT03 - ORGANIC CHEMISTRY	CO-1 Discuss electrophilic and nucleophilic in aromatic compounds. CO-2 Learning about difference between activating and deactivating groups. CO-3 Correlate the preparation of types of carbohydrate. CO-4 Study about the chemistry of Aromatic aldehyde, aromatic ketones and acids. CO-5 Study about the chemistry of aromatic sulphonic acid and Nitro compounds. CO-6 Calculate the saponification, Iodine and acid value for acids and fats.
USCCHT04 - PHYSICAL CHEMISTRY	CO-1 To apply gas laws in various real-life situations. CO-2 To explain the behaviour of real and ideal gas. CO-3 To differentiate between gaseous state and vapour. CO-4 To explain the kinetic theory of gases. CO-5 Explain the properties of liquids. CO-6 To describe condition required for liquefaction of gases. CO-7 To write the expressions for equilibrium constants.

	CO-8 To study the laws of equilibrium. CO-9 To understand various types of colloids and its applications
USCCHP02Practical's	COURSE OUTCOMES:-
	CO-1 Purification of an impure organic compound by crystallization CO-2 Synthesis, Recrystallisation and determination of melting point and calculation of quantitative yields of organic compounds. CO-3 Physical chemistry experiments based on Thermochemistry, Equilibria and Liquid state.

Course Outcome of B.Sc. Second Year

Course Outcome B. Sc Chemistry Semester-III (CBCS)	
Course	Outcomes After completion of these courses' students should be able to
USCChT05 Inorganic Chemistry	CO-1 To understand the structure and bonding in diborane. CO-2 To study the preparation of interhalogen compounds, oxy acid and silicates. CO-3 To understand the structure of Ionic Solids by studying radius ratio rule and coordination number.

SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

DEPARTMENT OF COMMERCE

Sl.N o.	TITLE OF PAPER	COURSE OUTCOMES
SEMESTER I		
B Com(General)		
1	ACCOUNTING – I	At the end of Accounting – I course the students will be able to ● Equip with the fundamental knowledge relating to the Accounting principles and procedures. ● Learn the methods of recording business transactions and preparing various accounts. ● Know about the maintenance of subsidiary books preparation of Bank Reconciliation statement and Trial Balance. ● Prepare final accounts of the sole trading organisation.
2	BUSINESS ORGANISATION AND MANAGEMENT	On completion of Business organisation & Management course the students will be able to ● Learn about profit earning creation of customers and regular innovations. ● Develop a set of personal business career options and apply business ethics and social responsibility. ● Understand the basic concepts and functions of Business Organisation as well as Management.
3	BUSINESS ECONOMICS – I	At the end of Business Economics course the student will be able to ● Describe the nature of economics in dealing with the issues of scarcity of resources. ● Analyse demand and supply analysis and its impact on Consumer behaviour. ● Evaluate the factors such as production and costs affecting firms behaviour. ● Apply economics models for managerial problems.
B Com(Computers)		

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SEMESTER I		
B Com(General)		
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3	BUSINESS ECONOMICS – I	At the end of Business Economics course the student will be able to ● Describe the nature of economics in dealing with the issues of scarcity of resources. ● Analyse demand and supply analysis and its impact on Consumer behaviour. ● Evaluate the factors such as production and costs affecting firms behaviour. ● Apply economics models for managerial problems.
B Com(Computers)		

4	ACCOUNTING – I	At the end of Accounting – I course the students will be able to ● Equip with the fundamental knowledge relating to the Accounting principles and procedures. ● Learn the methods of recording business transactions and preparing various accounts. ● Know about the maintenance of subsidiary books preparation of Bank Reconciliation statement and Trial Balance. ● Prepare final accounts of the sole trading organisation.
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5	BUSINESS ORGANISATION AND MANAGEMENT	On completion of Business organisation & Management course the students will be able to ● Learn about profit earning creation of customers and regular innovations. ● Develop a set of personal business career options and apply business ethics and social responsibility. ● Understand the basic concepts and functions of Business Organisation as well as Management.
6	COMPUTER FUNDAMENTALS AND PHOTOSHOP	Upon completion of the course, the students will be able to ● Bridge the fundamental concepts of computers with the present level of knowledge of the students. ● Explore the basic knowledge of Photoshop. ● Create and Edit their own images successfully.
SEMESTER II		
B Com(General)		
7	ACCOUNTING – II	On Completion of Accounting – II course, the students will be able to ● Acquire the knowledge relating to the accounting treatment of consignment and joint venture businesses. ● Learn different methods of providing for Depreciation. ● Know about various types of Reserves, Provisions and Accounting procedure followed by the non-profit organisations.
8	BUSINESS ENVIRONMENT	On completion of Business Environment Course the Students will be able to ● Understand the different environments in the business climate. ● Know the major and minor factors affecting the business in various streams. ● Acquire in depth knowledge about legal environment. ● Know the effects of government policy on the economic environment.

9	BUSINESS ECONOMICS - II	At the end of Business Economics course the student will be able to ● Understand the concept of cost, nature of production and its relationship to Business operations. ● Learn the pricing and output decisions under
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		various market structure. ● Apply marginal analysis to the firm under different market conditions. ● Understand different methods for the measurement of National Income.
B Com(Computers)		
10	ACCOUNTING – II	On Completion of Accounting – II course, the students will be able to ● Acquire the knowledge relating to the accounting treatment of consignment and joint venture businesses. ● Learn different methods of providing for Depreciation. ● Know about various types of Reserves, Provisions and Accounting procedure followed by the non-profit organisations.
11	BUSINESS ECONOMICS	At the end of Business Economics course the student will be able to ● Describe the nature of economics in dealing with the issues of scarcity of resources. ● Analyse demand and supply analysis and its impact on Consumer behaviour. ● Understand the concept of cost, nature of production and its relationship to Business operations. ● Understand different methods for the measurement of National Income
12	ENTERPRISE RESOURCE PLANNING	At the end of the course the student should be able to ● Identify the important business functions provided by typical business software such as Enterprise Resource Planning. ● Knowledge of basic concepts of ERP Systems. ● Develop skills necessary for building and managing relationships with customers and stakeholders
SEMESTER III		
B Com(General)		

13	CORPORATE ACCOUNTING	At the end of Corporate Accounting course, the students will be able to ● Equip with the knowledge relating to the accounting procedures followed by the companies. ● Know about the valuation of shares and good will. ● Understand various provisions of the
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		companies Act 2013. ● Prepare final accounts of the companies using computers.
14	BUSINESS STATISTICS	At the end of Business Statistics course the students will be able to ● Describe and discuss the key terminology, concepts, tools and techniques used in business statistical analysis. ● Use statistical, graphical and algebraic techniques wherever relevant. ● Deal with numerical and quantitative issues in business. ● Understand statistical applications in Economics and managements.
15	BANKING THEORY AND PRACTICE	At the end of Banking Theory and Practice course, the students will be able to ● Understand the basic concepts of Banks and functions of Commercial Banks ● Demonstrate an awareness of law and practice in Banking Context. ● Critically examine the current scenario of Indian Banking System. ● Formulate the procedure for better service to the customers from various Banking innovations. ● Formulate the procedure for better service to the customers from various Banking innovations.
B Com (Computers)		
16	CORPORATE ACCOUNTING	At the end of Corporate Accounting course, the students will be able to ● Equip with the knowledge relating to the accounting procedures followed by the companies. ● Know about the valuation of shares and good will. ● Understand various provisions of the companies Act 2013. ● Prepare final accounts of the companies using computers.

17	BUSINESS STATISTICS	At the end of Business Statistics course the students will be able to ● Describe and discuss the key terminology, concepts, tools and techniques used in business statistical analysis. ● Use statistical, graphical and algebraic techniques wherever relevant. ● Deal with numerical and quantitative issues
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		in business. ● Understand statistical applications in
18	OFFICE AUTOMATION TOOLS	By learning the course the student will be able to ● Apply application software in an Office. ● Perform accounting operations. ● Database Management
SEMESTER IV		
B Com(General)		
19	ACCOUNTING OR SERVICE ORGANISATIONS	On completion of the Accounting for Service Organisations Course, the students will be able to ● Acquire the knowledge relating to the accounting procedures followed by various non-trading/service organisations. ● Know about electricity supply companies, Bank accounts and Insurance companies.
20	BUSINESS LAW	The study of Business Laws course will enable the students to ● Equip with the knowledge of legal environment and legal principles. ● Identify the fundamental legal principles behind contractual agreements. ● Understand the legal and fiscal structure of different forms of business organisations. ● Acquire problem solving techniques and present coherent legal argument.
21	INCOME TAX	On completion of Income Tax course the students will be able to ● Acquire the knowledge regarding Income Tax. ● Understand the concepts of exempted incomes and provisions of agricultural income. ● Compute the income under the head “Income from salary”, “Income from house property” and “Capital Gains”. ● Learn the concept of Deductions U/S 80.
B Com(Computers)		

22	PROGRAMMING IN C	Upon successful completion of the course, a student will be able to ● Analyze a given problem and develop an algorithm to solve the problem along with flowchart. ● Use the 'C' language constructs in the right way. ● Design, develop and test programs written in 'C'.
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23	BUSINESS LAW	The study of Business Laws course will enable the students to ● Equip with the knowledge of legal environment and legal principles. ● Identify the fundamental legal principles behind contractual agreements. ● Understand the legal and fiscal structure of different forms of business organisations. ● Acquire problem solving techniques and present coherent legal argument.
24	BUSINESS ANALYTICS	After completion of Business analytics course the students will be able to ● Identify and describe complex business problems in terms of analytical models. ● Apply appropriate analytical methods to find solutions to business problems. ● Communicate technical information to both technical and non-technical audience.
SEMESTER V		
B Com(General)		
25	BUSINESS LEADERSHIP	On completion of Business Leadership course the students will be able to ● Develop critical thinking and leadership skills ● Gain knowledge of diverse culture, cross cultural commercialisation and use of power between groups. ● Understand the process for decision making. ● Integrate their experiences into their leadership development process.
26	COST ACCOUNTING	At the end of Cost Accounting course the students will be able to ● Acquire conceptual knowledge relating to accounting of various costs. ● Get good training in finding the cost of products using different methods of costing. ● Know the method of recording income and expenditure relating to production of goods and services. ● Learn about cost ascertainment, cost control and cost reduction.

27	GOODS AND SERVICE TAX	After completion of Goods & Services Tax course the students will be able to ● Learn the concepts Indirect tax and GST from the pre-GST period to post GST period. ● Understand the importance of GST in Indian
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		and global economy and its contribution to the economic development. ● Know about the principles of Taxation, objects & impacts of taxes, shifting and incidence processes of indirect taxes in the market oriented economy. ● Become tax consultants.
28	COMMERCIAL GEOGRAPHY	At the end of Commercial Geography Course the students will be able to ● Acquire the knowledge relating to natural resources like water, minerals, mines and agricultural products. ● Understand the effects of pollutions ● Analyse the uses of forests and effects of deforestation. ● Know about the evolution and internal structure of the earth
29	CENTRAL BANKING	The study of Central Banking course will enable the students to ● Acquire the comprehensive knowledge relating to the functions and operations of Central Banks. ● Know about the role of Reserve Bank of India in developing Indian economy. ● Analyse the impact of Central Banks monetary policy on financial system and the over all economy.
30	RURAL AND FARM CREDIT	After completion of Rural and Farm credit course the students will be able to ● Equip with the basic knowledge relating to farming in rural areas. ● Know about the farm credit. ● Learn about various credit facilities provided by the government.
B Com(Computers)		

31	COST ACCOUNTING	At the end of Cost Accounting course the students will be able to ● Acquire conceptual knowledge relating to accounting of various costs. ● Get good training in finding the cost of products using different methods of costing. ● Know the method of recording income and expenditure relating to production of goods and services. ● Learn about cost ascertainment, cost control and cost reduction.
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32	TAXATION	At the end of Taxation course the students will be able to ● Know the procedure of Direct Tax assessment. ● Understand the importance of Indirect tax in the Indian global economy and its contribution to the economic development. ● Know about IT authorities, their powers, appeal, revision, tax penalties, offences and prosecution. ● Compute total income and can file IT return on individual basic.
33	COMMERCIAL GEOGRAPHY	At the end of Commercial Geography Course the students will be able to ● Acquire the knowledge relating to natural resources like water, minerals, mines and agricultural products. ● Understand the effects of pollutions ● Analyse the uses of forests and effects of deforestation. ● Know about the evolution and internal structure of the earth
34	BANKING THEORY AND PRACTICE	At the end of Banking Theory and Practice course, the students will be able to ● Understand the basic concepts of Banks and functions of Commercial Banks ● Demonstrate an awareness of law and practice in Banking Context. ● Critically examine the current scenario of Indian Banking System. ● Formulate the procedure for better service to the customers from various Banking innovations. ● Formulate the procedure for better service to the customers from various Banking innovations.
35	DBMS	At the end of the course the student will be able to ● Understand the basic concepts of database and database management. ● Understand the database development process. ● Use of SQL.

36	WEB TECHNOLOGIES	After completion of the course the student will be able to ● Analyse a web page and identify its elements and attributes. ● Create web pages using HTML and
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		Cascading Style Sheets. ● Build dynamic web pages using JavaScript.
SEMESTER VI		
B Com(General)		
37	TALLY	After completion of Tally course, the students will be able to ● Acquire knowledge relating to computerised Accounting. ● Develop computer skills of recording financial transactions, preparation of annual accounts and reports using computers. ● Apply the knowledge of quantitative tools and techniques in the interpretation of Data for managerial decision making.
38	MARKETING	On completion of Marketing Course the students will be able to ● Develop an idea about marketing and marketing environment. ● Understand the consumer behaviour and market segmentation process. ● Comprehend the product life cycle and product line decisions. ● Formulate new marketing strategies.
39	AUDITING	After completion of Auditing course, the students will be able to ● Equip with the conceptual knowledge relating to audit procedures and practices. ● Know about different types of audits and rights and duties of Auditors. ● Learn how to examine the books of accounts and express an opinion on financial statements. ● Demonstrate the accounting knowledge and skills in auditing.
40	MANAGEMENT ACCOUNTING	At the end of Management Accounting course the students will be able to ● Understand the importance of management accounting system and Role of Management Accountant. ● Know about uses and limitations of Financial Statements. ● Know about classification and advantages of Ratio analysis. ● Learn about preparation of Funds Flow statement and Cash flow statement.

41	FINANCIAL SERVICES	At the end of the Financial Services Course the
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		students will be able to ● Acquire the knowledge about various financial services provided by the Government. ● Know the development in India with the help of Financial Services. ● Understand the Indian Financial System.
42	MARKETING OF FINANCIAL SERVICES	On completion of marketing of financial services course the students will be able to ● Equip with the knowledge relating to the service elements and service management. ● Understand the service process and strategies in service organisations. ● Know about Insurance Services in India. ● Analyse the Investment methods in India.
B Com(Computers)		
43	EVENT MANAGEMENT	At the end of Event Management Course, the students will be able to ● Understand and analyse the role of management of different events. ● Apply the theory and skills necessary to professionally plan and organise business events. ● Analyse the importance of strategic planning for events or festivals.
44	MARKETING	On completion of Marketing Course the students will be able to ● Develop an idea about marketing and marketing environment. ● Understand the consumer behaviour and market segmentation process. ● Comprehend the product life cycle and product line decisions. ● Formulate new marketing strategies.
45	AUDITING	After completion of Auditing course, the students will be able to ● Equip with the conceptual knowledge relating to audit procedures and practices. ● Know about different types of audits and rights and duties of Auditors. ● Learn how to examine the books of accounts and express an opinion on financial statements. ● Demonstrate the accounting knowledge and skills in auditing.
46	MANAGEMENT	At the end of Management Accounting course the

	ACCOUNTING	students will be able to ● Understand the importance of management accounting system and Role of Management Accountant. ● Know about uses and limitations of Financial Statements. ● Know about classification and advantages of Ratio analysis. ● Learn about preparation of Funds Flow statement and Cash flow statement.
47	TALLY WITH GST APPLICATIONS	On completion of Tally with GST Applications course, the students will be able to ● Learn the concepts Indirect tax and GST from the pre-GST period to post –GST period. ● Understand the importance of Indirect tax(GST) in Indian and Global economy and its contribution to the economic development. ● Understand the major concepts in Tally. ● Acquire the complete knowledge of GST-returns like monthly filling returns, composition quarterly filling returns and GSTR forms. ● Acquire the practical knowledge of payment of GST taxes online.
48	E-COMMERCE	At the end of E-Commerce course, the student will be able to ● Understand the importance of E-Commerce. ● Infrastructure of E-Commerce. ● Legal Issues and privacy in E-Commerce. ● Asses Electronic payment systems.

**SRI DNR GDC(W),PALAKOL
DEPARTMENT OF ZOOLOGY**

COURSE OUT COMES

Semester: I

Animal Diversity - Biology of Nonchordates

Course Outcomes:

By the completion of the course the graduate should able to --

- *Describe general taxonomic rules on animal classification.
- *Classify Protozoa to Coelenterata with taxonomic keys
- *Classify Phylum Platyhelminthes to Annelida phylum using examples from parasitic adaptation and vermicomposting.
- *Describe Phylum Arthropoda to Mollusca using examples and importance of insects and mollusca.
- *Describe Echinodermata to Hemichordate with suitable examples and larval stages in relation to the molluscs .

Semester: II

Animal Diversity - Biology of Chordates

Course Outcomes:

By the completion of the course the graduate should able to -

- *Describe general taxonomic rules on animal classification of chordates..
- *Classify Protochordata to Mammalian with taxonomic keys
- *Understand Mammals with specific structural adaptations
- *Understand the significance of dentition and evolutionary significance
- *Understand the origin and evolutionary relationship of different phyla from Protochordata to mammalian.

Semester 3:

CYTOLOGY, GENETICS AND EVALUATION

Course Outcomes:

The overall course outcome is that the student shall develop deeper understanding of what life is and how it functions at cellular level. This course will provide students with a deep knowledge in Cell Biology, Animal Biotechnology and Evolution and by the completion of the course the graduate shall be able to.

*To understand the basic unit of the living organisms and to differentiate the organisms by their cell structure.

*Describe fine structure and function of plasma membrane and different cell organelles of eukaryotic cell.

*Acquiring in-depth knowledge on various aspects of genetics involved in sex determination, human karyotyping and mutations of chromosomes resulting in various disorders.

*Understand the central dogma of molecular biology and flow of genetic information from DNA to proteins.

*Understand the principles and forces of evolution of life on earth, the process of evolution of new species and apply the same to develop new and advanced varieties of animals for the benefit of the society.

Semester: IV

EMBRYOLOGY, PHYSIOLOGY AND ECOLOGY

Course Outcomes

This course will provide students with a deep knowledge in Physiology, Cellular metabolism and Molecular Biology and by the completion of the course the graduate shall be able to-

*Understand the functions of important animal physiological systems including digestion, cardio-respiratory and renal systems.

*Understand the muscular system and the neuro-endocrine regulation of animal growth, development and metabolism with a special knowledge of hormonal control of human reproduction.

*Describe the structure, classification and chemistry of Biomolecules and enzymes responsible for sustenance of life in living organism.

*Develop broad understanding the basic metabolic activities pertaining to the catabolism and anabolism of various Biomolecules.

*Describe the key events in early embryonic development starting from the formation of gametes upto gastrula stage and formation of primary germ layers.

Semester: VA

ANIMAL BIOTECHNOLOGY

Course Outcomes:

This course will provide students with a deep knowledge in immunology, genetics, embryology and ecology and by the completion of the course the graduate shall be able to -

*To get knowledge of the organs of Immune system, types of immunity, cells and organs of immunity.

*To describe immunological response as to how it is triggered (antigens) and regulated (antibodies).

*Understand the applications of Biotechnology in the fields of industry and agriculture including animal cell/tissue culture, stem cell technology and genetic engineering.

*Get familiar with the tools and techniques of animal biotechnology.

SEMESTER-VI

Immunology

1. Understand immune system, improve their immunity, protection techniques from the attack of pathogens
2. Identify blood groups, their compatibility and the need to donate blood to save life.
3. Recognize the classes, structures and functions of antibodies, antigen – antibody reactions, cure of different diseases through various vaccines, the instruments involved in identification of immune reactions etc.

CLUSTER-1

Aquaculture

Principles of Aquaculture

1. Acquainted with the fisheries and fishery industries, understood the various types and methods of aquaculture practices.
2. Understood the physiology and reproductive mechanisms of important fishes.
3. Understood the modern techniques and methods of fishery industries.
4. Attained knowledge about important cultivable fin fishes, shell fishes and importance of value added fishery products

1. Knowledgeable with hands on training on aquaculture through field visit to training centers.
2. Understand various economically important species
3. Acquaint with sea weed and their benefits.

CLUSTER-2

Aquaculture Management

1. Understand the breeding technology employed in fish farms.
2. Analyze the quality of water and soil suitable for fish and prawn culture.
3. Know feed storage, feeding strategies: feeding devices, feeding schedules and ration size
4. Knowledgeable about diseases of fish and shrimp and the strategies involved in marketing.
5. Pick up entrepreneur skills for self- employment.

CLUSTER-3

Postharvest Technology

1. Understand the techniques to handle fresh fish, storage, preservation and transport.
2. Learns to handle fish during transport. Understands the post-mortem changes
3. Understands the principle behind the preservation of fishes like icing, salting, freezing
4. Be familiar with various hygiene practices and precautions during processing of aquatic product and their marketing
5. Understand the importance of seaweed culture
6. Explain and extract maximum from fish and produce fish by products
7. Earn by selling products like fish pickles, cutlets and glues by applying right preparation techniques.
8. Aware of rules and regulations related to quality control.
9. Pick up entrepreneur skills for self- employment.

DEPARTMENT OF ECONOMICS
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Course outcomes(COs)

COURSE OUTCOMES

Micro Economics –I Consumer Behavior

- Identify the importance of Economics
- Understand that Economics is about the allocation of scarce resources, that scarcity forces choice, trade-offs exist and that every choice has an opportunity cost.

- Understand functions Economy , behaviour of individuals in the market
- Understand how demand and supply affects market price
- Understand the role of marginal utility in price determination
- List the determinants of the demand and supply for a good in a competitive market and explain how that demand and supply together determine equilibrium price.

Micro Economics -II Production and Price Theory

- Understand the classification of market
- Understand the classification of markets
- Understand the relation between interest and liquidity preference
- Describe theories of factor pricing
- Describe the classical and Keynesian theories of Interest
- Understand the theories of profit

Macro Economics -I

National Income, Employment and Money

Identify the scope of Macro Economics

Understand the theories of Employment

Understand the role of monetary and fiscal policy in a development

Identify the evolution of money

Identify the scope of Macro Economics

Describe the National Income Accounting

Understand impact of money multiplier

Macro Economics –II

Banking and International Trade

Analyse different phases of trade cycles, demonstrate various phases of

Trade cycles, understand the impact of cyclical fluctuations on the

Growth of business, and lay policies to control trade cycles.

Understand the commercial Banking

Understand the role of central bank in a developing economy

Understand the financial reforms

Understand the International Trade

Understand how exports and imports affect Balance of Payments

Understand how the foreign exchange rate affects imports

Understand the role of International Financial Institutions

Identify the India's Foreign Trade Policy

Paper – V Economic Development and Indian Economy

Understand the concepts of Economic Growth and Development

Describe the role of Planning Commission

Understand the Population and Economic Growth

Understand the importance of Human Capital Formation

Identify the objectives of Economic Planning

Identify the characteristics of Indian Economy as a Developing Economy

Describe the Demographic trends in India

Write down the role of Industrialization in Indian Economy

Understand the India's foreign trade

- Describe the inflationary trends and impact of MNC's in Indian Economy

Paper – VI (Core Paper) Indian and Andhra Pradesh Economy

Develop ideas of the basic characteristics of Indian economy and Andhra Pradesh economy

Grasp the importance of planning undertaken by the government of India, have knowledge on the various objectives, failures and Achievements as the foundation of the ongoing planning and economic Reforms taken by the government.

Paper – VII-(A) (Elective Paper VII-(A) AGRICUTURAL ECONOMICS

Understand agriculture as the foundation of economic growth and Development, analyse the changing nature of agricultural sector and its

Contribution to the Indian economy

Not only be aware of the economy as a whole, they would understand The basic features of Andhra Pradesh economy, sources of revenue,

How the state government finance its programmes and projects.

Develop ideas of the basic characteristics of Indian economy and Andhra Pradesh economy

Macro Economics -I National Income, Employment and Money

- Identify the scope of Macro Economics
- Understand the theories of Employment
- Understand the role of monetary and fiscal policy in a development

- Identify the evolution of money
- Identify the scope of Macro Economics
- Describe the National Income Accounting
- Understand impact of money multiplier

Macro Economics –II Banking and International Trade

- Analyse different phases of trade cycles, demonstrate various phases of trade cycles, understand the impact of cyclical fluctuations on the growth of business, and lay policies to control trade cycles.
- Understand the commercial Banking
- Understand the role of central bank in a developing economy
- Understand the financial reforms
- Understand the International Trade
- Understand how exports and imports affect Balance of Payments
- Understand how the foreign exchange rate affects imports
- Understand the role of International Financial Institutions
- Identify the India's Foreign Trade Policy

Paper – V Economic Development and Indian Economy

- Understand the concepts of Economic Growth and Development
- Describe the role of Planning Commission
- Understand the Population and Economic Growth
- Understand the importance of Human Capital Formation
- Identify the objectives of Economic Planning
- Identify the characteristics of Indian Economy as a Developing Economy
- Describe the Demographic trends in India
- Write down the role of Industrialization in Indian Economy
- Understand the India's foreign trade
- Describe the inflationary trends and impact of MNC's in Indian Economy

Paper – VI (Core Paper) Indian and Andhra Pradesh Economy

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Paper – VII-(A) (Elective Paper VII-(A) AGRICULTURAL ECONOMICS

- Understand agriculture as the foundation of economic growth and

development, analyse the changing nature of agricultural sector and its

Contribution to the Indian economy

- Not only be aware of the economy as a whole, they would understand the basic features of Andhra Pradesh economy, sources of revenue,
- How the state government finance its programmes and projects.
- Develop ideas of the basic characteristics of Indian economy and Andhra Pradesh economy

DEPARTMENT OF ENGLISH

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

Course outcomes(COs)

Course outcomes:

BSc, B.A, BCOM sem 1

A course in Communication and soft skills

By the end of the course the learner will be able to :

- Use grammar effectively in writing and speaking.
- Demonstrate the use of good vocabulary
- Demonstrate an understating of writing skills
- Acquire ability to use Soft Skills in professional and daily life.
- Confidently use the tools of communication skills

Sem2,A course in reading and writing skills

Learning Outcomes:

By the end of the course the learner will be able to :

- Use reading skills effectively

- **Comprehend different texts**
- **Interpret different types of texts**
- **Analyse what is being read**
- **Build up a repository of active vocabulary**
- **Use good writing strategies**
- **Write well for any purpose**
- **Improve writing skills independently for future needs**

Sem 3 A course in conversational skills

Learning Outcomes

By the end of the course the learner will be able to :

- **Speak fluently in English**
- **Participate confidently in any social interaction**
- **Face any professional discourse**
- **Demonstrate critical thinking**
- **Enhance conversational skills by observing the professional interviews**

DEPARTMENT OF BOTANY
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Course outcomes(COs)

Course Outcomes

Microbial Diversity of Lower Plants

- To enable the student to understand and gain theory & practical knowledge on •
The evolution of life, microbial diversity and cryptogams.
- To study the cultivation and Economic importance on Bio-Fertilizers, Mushroom Cultivation which help the student to have self employment opportunity.

Bryophyta, Pteridophyta, Gymnosperms and Paleobotany

- To enable the student to understand and gain theory & practical knowledge on •
The cryptogams with alternation of generation and evolution of stele.

Taxonomy and Embryology

- To enable the student to understand and gain theory & practical knowledge on •
The classification of plant kingdom and the bases of classification.
- To study different families and its special characters, preparation of Herbarium. •
To study the process of fertilization.

Anatomy and Medicinal Botany

- To give theory & practical knowledge on
- Medicinal plants and its use in daily life, Primary health care, Pharmacognosy, and traditional medicine.
- Study of composition of the plant body and variations in different plant species

Cell biology & Genetics

- To enable the student to understand and gain theory & practical knowledge on
- The unit of life, unit of hereditary, special chromosomes
- Mutations and Gene expression

Ecology& Biodiversity

- To enable the student to understand and gain theory & practical knowledge on
- To study the ecosystem so as to bring awareness on different environment aspects.

- To study the Biodiversity and conservation of Biodiversity. Hot spots of India, Threatened and Endangered species.

Physiology

- To enable the student to understand and gain theory & practical knowledge on
- The Physiology in plant like role enzymes, photosynthesis, respiration, nitrogen metabolism, lipid metabolism.
- To study the role of growth hormones in plant development

Tissue culture & Biotechnology, Seed technology & Horticulture

- To enable the student to understand and gain theory & practical knowledge on
- The plant tissue culture techniques, Biotechnology the emerging subject which has lot of practical applications and is research oriented.
- Study of seed and storage of germplasm.
- Horticulture, Floriculture, Bonsai Techniques helps them in self employment.

Biological instrumentation and methodology

1. Demonstrate proficiency in the basic methods, instrumentation and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, and molecular and cellular biology.
2. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations and concepts.

Mushroom culture and technology:

1. To make sure the importance of botany in day to day life.
2. The plant tissue culture expertise are required for advance biotechnological studies.
3. The mushroom cultivation course will surely make candidate self-sustainable by knowing the commercial significance of plant studies.

DEPARTMENT OF PHYSICS
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Course outcomes(COs)

Course Outcomes- B.Sc.Physics

Semester - 1: Mechanics, Waves & Oscillations:

On successful completion of this course, the students will be able to:

- Understand Newton's laws of motion and motion of variable mass system and its application to rocket motion and the concepts of impact parameter, scattering cross section.
- Apply the rotational kinematic relations, the principle and working of gyroscope and its applications and the precessional motion of a freely rotating symmetric top.
- Comprehend the general characteristics of central forces and the application of Kepler's laws to describe the motion of planets and satellite in circular orbit through the study of law of Gravitation.
- Understand postulates of Special theory of relativity and its consequences such as length contraction, time dilation, relativistic mass and mass-energy equivalence.
- Examine phenomena of simple harmonic motion and the distinction between undamped, damped and forced oscillations and the concepts of resonance and quality factor with reference to damped harmonic oscillator.
- Appreciate the formulation of the problem of coupled oscillations and solve them to obtain normal modes of oscillation and their frequencies in simple mechanical systems.
- Figure out the formation of harmonics and overtones in a stretched string and acquire the knowledge on Ultrasonic waves, their production and detection and their applications in different fields.

Semester - 2: Wave Optics:

On successful completion of this course, the student will be able to:

- Understand the phenomenon of interference of light and its formation in (i) Lloyd's single mirror due to division of wave front and (ii) Thin films, Newton's rings and Michelson interferometer due to division of amplitude.
- Distinguish between Fresnel's diffraction and Fraunhofer diffraction and observe the diffraction patterns in the case of single slit and the diffraction grating.
- Describe the construction and working of zone plate and make the comparison of zone plate with convex lens.

- Explain the various methods of production of plane, circularly and polarized light and their detection and the concept of optical activity..
- Comprehend the basic principle of laser, the working of He-Ne laser and Ruby lasers and their applications in different fields.3
- Explain about the different aberrations in lenses and discuss the methods of minimizing them.
- Understand the basic principles of fibreoptic communication and explore the field of Holography and Nonlinear optics and their applications.

Semester - 3 : Heat and Thermodynamics:

On successful completion of this course, the student will be able to:

- Understand the basic aspects of kinetic theory of gases, Maxwell-Boltzman distribution law, equipartition of energies, mean free path of molecular collisions and the transport phenomenon in ideal gases
- Gain knowledge on the basic concepts of thermodynamics, the first and the second law of thermodynamics, the basic principles of refrigeration, the concept of entropy, the thermodynamic potentials and their physical interpretations.
- Understand the working of Carnot's ideal heat engine, Carnot cycle and its efficiency
- Develop critical understanding of concept of Thermodynamic potentials, the formulation of Maxwell's equations and its applications.
- Differentiate between principles and methods to produce low temperature and liquefy air and also understand the practical applications of substances at low temperatures.
- Examine the nature of black body radiations and the basic theories.

Semester - 4 : Electricity, Magnetism and Electronics:

On successful completion of this course, the students will be able to:

- Understand the Gauss law and its application to obtain electric field in different cases and formulate the relationship between electric displacement vector, electric polarization, Susceptibility, Permittivity and Dielectric constant.
- Distinguish between the magnetic effect of electric current and electromagnetic induction and apply the related laws in appropriate circumstances.
- Understand Biot and Savart's law and Ampere's circuital law to describe and explain the generation of magnetic fields by electrical currents.
- Develop an understanding on the unification of electric and magnetic fields and Maxwell's equations governing electromagnetic waves.
- Phenomenon of resonance in LCR AC-circuits, sharpness of resonance, Q- factor, Power factor and the comparative study of series and parallel resonant circuits.
- Describe the operation of p-n junction diodes, zener diodes, light emitting diodes and transistors
- Understand the operation of basic logic gates and universal gates and their truth tables.

Semester - 4: Modern Physics :

On successful completion of this course, the students will be able to:

- Develop an understanding on the concepts of Atomic and Modern Physics, basic elementary quantum mechanics and nuclear physics.
- Develop critical understanding of concept of Matter waves and Uncertainty principle.
- Get familiarized with the principles of quantum mechanics and the formulation of Schrodinger wave equation and its applications.
- Examine the basic properties of nuclei, characteristics of Nuclear forces, salient features of Nuclear models and different nuclear radiation detectors.
- Classify Elementary particles based on their mass, charge, spin, half life and interaction.
- Get familiarized with the nano materials, their unique properties and applications.
- Increase the awareness and appreciation of superconductors and their practical applications.

Semester V Course: 6C Applications of Electricity & Electronics

Students after successful completion of the course will be able to:

- Identify various components present in Electricity & Electronics Laboratory.
- Acquire a critical knowledge of each component and its utility (like resistors, capacitors, inductors, power sources etc.).
- Demonstrate skills of constructing simple electronic circuits consisting of basic circuit elements.
- Understand the need & Functionality of various DC & AC Power sources.
- Comprehend the design, applications and practices of various electrical & Electronic devices and also their trouble shooting.

Semester Course: 7C Electronic Instrumentation

Students after successful completion of the course will be able to:

- Identify various facilities required to set up a basic Instrumentation Laboratory.
- Acquire a critical knowledge of various Electrical Instruments used in the Laboratory.
- Demonstrate skills of using instruments like CRO, Function Generator, Multimeter etc. through hands on experience.
- Understand the Principle and operation of different display devices used in the display systems and different transducers
- Comprehend the applications of various biomedical instruments in daily life like B.P. meter, ECG, Pulse oxymeter etc. and know the handling procedures with safety and security.

DEPARTMENT OF political science

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

COURSE OUTCOME

Semester I

Paper-I: Political Theory-I

- o To understand the nature, scope and significance of political theory.
- o To appreciate the procedure of different theoretical ideas in political theory.
- o To understand the various traditional and modern theories of political science.
- o To evaluate the theories of origin of the state.

Paper-II: Politics in India-I

- p To understand the philosophy of Indian constitutions.
- o Introducing the Indian Constitution with a focus on the evolution of it and examining
the essence of the Preamble.
- o To know the salient features of Indian constitution
- o Examining the Fundamental Rights and Duties of Indian citizens with a study of the
significance and status of Directive Principles.
- o Critically analyzing the important institutions of the Indian Union: the Executive: President; Prime Minister, Council of Ministers; Governor, Chief Minister and Council of Ministers; The legislature: Rajya Sabha, Lok Sabha, Speaker,

Committee System, State Legislature, The Judiciary: Supreme Court and the High Court: composition and functions- Judicial Activism.

Semester II

Paper-I: Political Theory-II

- Explaining the concept of Democracy, its types and theories (Elitist, Pluralist and
- To understand the concept of Development and various views and Perspective relating to it. i.e. Liberal, Marxist, Sustainable Development, Human Development and Gandhian Model of Development.
- Understanding basic concepts of Justice, distributive justice, multiculturalism and social justice.
- Explaining the nature of Third World Countries and Neo-Colonialism.
- Explaining the views of Andre Gunder Frank in terms of Dependency Theory.

Paper-II: Politics in India-II

- Looking at the Centre-State Relations with focus on the Legislative, Administrative
- Critically evaluating the Indian Party system – its development and looking at the ideology of dominant national parties.
- Evaluating the Electoral Process in India with focus on the Election Commission: Composition, Functions and Role.

- o Investigating the challenges to National Integration: Terrorism, Regionalism and Casteism.

Semester-III

Paper-I: International Relations-I

- o The students will get an overview about the nature, evolution and scope of international relations.
- o It will help them to get acquainted with the basic ideas of international relations
- o It will familiarise the students with the different approaches to the study of
- o It will also give them a historical background of the discipline which will help them understand international politics in a better way.

Paper-II: Public Administration-I

- p The paper will introduce the students to the basic concepts of Public Administration
along with its founding principles and history.
- o The paper shall also deal with the primary administrative theories and the basic principles of organisation which will help the students to develop a comprehensive understanding of the subjects.
- o The students will also learn about structure of organisation and their intricacies.

Semester-IV

Paper-I: International Relations-II

- o To understand the basic concepts of International Relations and also develop a preliminary understanding of the global economy.
- o Explaining the formation, charter and objectives of United Nations and its working on Millennium Development Goals.
- o Evaluating the working of United Nations in resolving conflict and peacekeeping operations.
- o To analyse the international security; Disarmament, Arms Control and Nuclear non-proliferation.
- o This paper shall help the students to develop a deeper understanding of International Relations along with the different international organisations and stakeholders in it.

Paper-II: Public Administration-II

- p To understands the basics of personnel administration- both processes and institutions.
- o To explain the concepts of financial administration in the country with special reference to the process and principles of budgeting.
- o To introduce the concept of development administration and to the contributions of
- o To explain the importance of citizens and administration and introduce institutions for the redressal of public grievances- Lokpal, Lokayukta etc.

Semester-V

Paper-I: Western Political Thinkers

- o To introduce the students to the Greek political tradition, specifically to the ideas of
- o To explain the ideas of medieval and early modern political thinkers like St. Augustine and Machiavelli.
- o To familiarise the students with the exponents of the Social Contract Theory- Hobbes, Locke and Rousseau.
- o To help the students to develop and elaborate understanding of Marxian political thought.

Paper-II: Select Constitutions-I

- p To introduce the students to the basics of the ideas of constitution and constitutionalism.
- o To introduce the constitution of United Kingdom- British political system and the
- o To introduce the constitution of United State of America, it's Federal system, presidential form of government and political parties and interest groups.
- o To help the students make a comparative study of the constitutions of United Kingdom and United States of America.

Paper -III: General Sociology-I

- p This paper shall help the students to understand and defined the concepts of sociology
and shall also brief them about the historical evolution of the same.
- o It shall explain the different methods of sociological study to the students.
- o It shall elaborate in depth about the basic concepts of sociology- like- Family, Society and Community.
- o It shall introduce the students to the ideas of socio stratification, socio class and concepts of gender.

Paper-IV: Contemporary Political Issues

- p To explain the current issues of international politics to the students- like environmental issues and terrorism.
- o To introduce and explain the ideas of human development and human security as well as to elaborate on the issues of gender in international politics.

Paper -V:Political Sociology-I

- o To explain the historical of the discipline of Political Sociology and to familiarise the students with the definition, nature, subject-matter and utility of the same.
- o To elaborate on the primary concepts of- political culture, socialisation and political mobility.

Paper-VI: Human Rights

- p To introduce the students the concept, evolution and classification of Human Rights.
- o To acquaint the students with the different approaches and perspective of human rights.
- o To elaborate on role of United Nations in the context of Human Rights as well as to study the role of International NGOs in relation to Human Rights.

Semester-VI

Paper-I: Indian Political Thinkers

- o The paper shall introduce the most prominent Indian Political Thinkers like Manu, Kautilya, Raja Ram Mohan Roy and Jyotiba Phule.
- o It shall also explain the ideas of M N Roy, Mahatma Gandhi, Jawaharlal Nehru, B R
- o The basic objective of the paper is to help the students to develop a comprehensive understanding of the basics of Indian political thought.

Paper-II: Select Constitutions-II

- p To introduce the students to the constitution of the People's Republic of China- their political processes, party system and institutions.
- o To explain the constitution of Switzerland- the Swiss political tradition, Swiss federalism, their pattern of democracy and their political parties and interest groups.

Paper-III: General Sociology-II

- p To familiarise the students with the ideas of- culture, social control, social change and socialisation.
- o To elaborate the principles in operations of the given concepts in an elaborate manner.

Paper-IV: Contemporary Political Ideologies

- p To introduce the students to the most contemporary ideologies like- neo liberalism, feminism, religious fundamentalism and multiculturalism.
- o To explain the meaning and the different understandings of given concepts and to help the students to develop a broad understanding of these ideologies.

Paper-V: Political Sociology-II

- o This paper shall explain the Elite Theories of political power along with the concept of political; change.
- o It shall also elaborate on the concepts, nature, and meaning of the idea of political development and shall also explain the concept of bureaucracy and its relation to society and politics.

Paper-VI: Human Rights in India

- p This paper shall focus on the tradition of human rights in India.
- o It shall elaborate on the historical evolution, and institutional mechanisms for the protection of human rights in India.
- o It shall also touch upon the emerging issues of human rights in the country, different movements relating to human rights and shall also deal with the rights of vulnerable groups in India.

DEPARTMENT OF MATHEMATICS
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Programme Outcomes (POs)

PO1: Investigate and solve unfamiliar math problems

PO2: Formulate and develop mathematical arguments in logical manner

PO3: Contribute as trained work force to provide teaching learning to schools.

PO4: Equip the students with skills to analyze problems ,formulate hypothesis, evaluate and validate results, and draw reasonable conclusions writhing the proofs.

PO5: Acquire good knowledge and understanding in advanced areas of mathematics chosen by the student form the given courses.

PO6: Think in a critical manner.

PO7: Communicate mathematical ideas both orally and in writing.

PO8: Apply mathematical problems and solutions in a variety of contexts related to science ,technology ,business and industry

DEPARTMENT OF HINDI
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Programme Outcomes

- Developing the Consciousness of important of Hindi language.
- Developing the Knowledge of Literature.

- Analysing the relation between literature and the society.
- Developing the knowledge of our national and Official language.
- Consciousness about issues of our society.
- Developing the cultural and environmental consciousness.
- Developing writing skills through essay writing.
- Art of analysing the 'Sanskritik and Lalit Nibandh Kala'.

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

B.A POLITICAL SCIENCE

PROGRAMME OUTCOMES AND COURSE OUTCOMES

PROGRAMME OUTCOMES

Objectives

- o To familiarise the students with the basic ideas of political science.
- o To make them thorough in the concepts of political theory.
- o To help them understand and distinguish between basic concepts like political theory, political thought and political philosophy.
- o To help the students understand and relate the concepts and facts with the political realities of the country and different parts of the world.
- To equip them with the basics of the discipline and help them learn the basic underpinnings of the subject of Political Science.

Outcomes

- Understanding of government institutions, electoral processes, and policies in a variety of countries around the world and the ability to compare the effectiveness or impact of various political arrangements across countries.
- o Knowledge of some of the philosophical underpinnings of modern politics and government and the legal principles by which political disputes are often settled.
- o Understand the changes in patterns of political behaviour, ideas and structures.
- o Assess how global, national and regional developments affect polity and society.
- o Develop the ability to make logical inferences about social and political issues on the basis of comparative and historical knowledge.

- o Knowledge of key theories and concepts, historical developments, organizations, and modern issues in international relations

DEPARTMENT OF HISTORY

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

Programme Outcomes (POs)

- The outcomes the programme provides in common with Master's• Programs in the Faculty of Arts ,Commerce and Law are as follows:
- 1. The learner develops the ability to use critical, analytical, and reflective thinking and reasoning
- 2. The learner acquires the ability to reflect on social and ethical responsibilities in his/her professional life.
- 3. The learner gains experience and confidence in the dissemination of project/research outputs
- 4.The learner acquires the competence to work responsibly and creatively as an individual or as a member or leader of a team and in multidisciplinary environments.
- 5. He /She learns to communicate effectively by oral, written, graphical and technological means and have competency in English.
- 6.On completion the learner can independently research and acquire information, and develop appreciation of the need for continuously learning and updating..
- 7.The learner becomes able to assess the impact of the economic, social, and political environment from a global, national and regional level.

- 8. The learner gets to know how to access written and visual, primary and secondary sources of information, interpret concepts and data from a variety of sources in developing disciplinary and interdisciplinary analyses.

DEPARTMENT OF CHEMISTRY
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Programme Outcomes (POs)

PROGRAMME OUTCOMES

- PO-1: B.Sc. Chemistry curriculum is so designed to provide the students a comprehensive Understanding about the fundamentals of chemistry covering all the principles and perspectives.
- PO-2: The branches of Chemistry such as Organic Chemistry, Inorganic Chemistry, Physical Chemistry and Analytical Chemistry expose the diversified aspects of chemistry where the Students experience a broader outlook of the subject.
- PO-3: The syllabi of the B.Sc. Chemistry course are discretely classified to give stepwise Advancement of the subject knowledge right through the three years of the term.
- PO-4: The practical exercises done in the laboratories impart the students the knowledge about Various chemical reagents and reactions. Thereby, hone their skills of handling the corrosive, Poisonous, explosive and carcinogenic chemicals making themselves employable in any kind of Chemical industries. They are also trained about the adverse effects of the obnoxious chemicals And the first aid treatment.

DEPARTMENT OF COMMERCE
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme outcomes

- ☐ After the completion of B.Com course the students will be able to acquire conceptual knowledge and application skills in the domain of Commerce studies.
- ☐ It enables the students to make start ups independently.
- ☐ Knowledge of different subjects in B.Com course such as Accounting, Costing and Banking etc. Helps the students to stand in different organizations.
- ☐ It provides well trained professionals to industries, Banking Sector, Insurance Companies and Finance Companies.
- ☐ The students will be able to become competent in the competitive world and they can be assured of job placements and good careers at the end of the course.

**DEPARTMENT OF ZOOLOGY
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL**

Programme outcomes

The program has been introduced to prepare the students for a bright career which finds application and provides solution to some of the major contemporary problems on the globe i.e., providing food for growing population, designing advanced medical treatment options for increasing evolving diseases, to find solutions for wild life conservation and to deteriorating environment caused due to over exploitation / misuse of natural resources etc.,

In this program the study of Biology offers around the world where there are Biologists making a difference to our lives – ensuring our food is safe, treating and preventing disease, developing green technologies or tracking the role of Organisms in climate change.

In this program the knowledge about the subject chemistry comes in to play when structures of macromolecules and their interactive relations to the environment are to be understood.

Finally the subject Biology amalgamates with various disciplines of sciences and offers ethically acceptable knowledge to bring about sustainable solutions for a variety of problems related to Ecology, Evolution, Agriculture, Environment and Quality of human life. These problems are solved with responsibility using appropriate tools while keeping in mind safety factor of Environment and Society.

**DEPARTMENT OF POLITICAL SCIENCE
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL**

Programme outcomes

The main objective of the B.A. Economics Degree is to train the students at graduate level for meeting the demands for the skilled man power in both organised and un-organised sectors and also provide an alternate channel for those who aimlessly pursue higher education and to prepare themselves for self reliance.

In this program the study of Economics opting a degree for many students to maintain Economy in their family. They planned the source of income and its proper utilization. Economics students are known to submerge into a Syllabus that contains practical approach to the subject. They will get to assess the Indian and Andhra Pradesh Economy and also world Economy. The Economics students have rich toolbox of simple models they can use to analyze various facets of the Economy and know to apply the right models. The students are also understood the importance of a model based approach to Economics. Our goal is to produce students who have the capacity to analyze current Economic issues in the context of an Economic frame of Reference.

It is also important for students living in countries with highly open Economics to understand the important links connecting foreign Economics the anatomy of inflation and unemployment has been studied.

An overview course should contain what we feel is the core. The students to know national Income accounting, aggregate supply and demand, issues of inflation and unemployment,

goods market, asset market and basics of monetary and fiscal policy. Supply details for consumption, investment, money markets and policy making. The students are also known the federal reserve and financial markets

DEPARTMENT OF HINDI
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme Outcomes

- Developing the Consciousness of important of Hindi language.
- Developing the Knowledge of Literature.
- Analysing the relation between literature and the society.
- Developing the knowledge of our national and Official language.
- Consciousness about issues of our society.
- Developing the cultural and environmental consciousness.
- Developing writing skills through essay writing.
- Art of analysing the ‘Sanskritik and Lalit Nibandh Kala’.

DEPARTMENT OF ENGLISH
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme outcomes:

_Programme Outcomes

UG (BA/BSc/BCom) English Language

- On successful completion of the programme, the students will be able to communicate effectively in the second language i.e. English.
- It will improve their LSRW English
- Their intellectual, personal and professional abilities will be developed through effective communicative skills; ensuring high standard of behavioural attitude through literary subjects and shaping the students as socially responsible citizens.

DEPARTMENT OF BOTANY
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme outcomes:

Programme Outcomes

1. Critical Thinking:

Apply the knowledge of biology to make scientific queries and enhance the comprehension potential.

2. Effective Communication: Successful transfer of scientific knowledge both orally and in writing.
3. Social Interaction: Function as an individual, as a member or a leader to perform a task in class room situation or during field study.
4. Effective Citizenship: Responsible for learning, develop honesty in work and respect for self and others.
5. Ethics: Convey and practice social, environmental and biological ethics.
6. Environment and Sustainability: Insist the significance of conserving a clean environment for perpetuation and sustainable development.
7. Self-directed and Life-long Learning: study incessantly by self to cope with growing competition for higher studies and employment.

DEPARTMENT OF PHYSICS
SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme outcomes:

Bsc(MPC)

PO 1: This course forms the basis of science for coherent understanding of the academic field to pursue multi and inter-disciplinary science careers in future. (MPC)

PO 2: Able to plan and execute experiments or investigations, analyse and interpret data information collected using appropriate methods (Practical Paper)

PO 3: It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace through research. (Renewable Energy Project)

PO 4: Students can Apply discrete probability distributions. (Survey)

PO 5: Discuss debate and communicate in a clear and logical way, with graduates other fields. (Seminar)

PO 6: Demonstrate skills and competencies to conduct scientific experiments & data analysis.

PO 7: Bachelor of Science offers theoretical as well as practical knowledge about different subject areas

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PO 8: Knowledge acquired through field trips/industrial tours is useful for their job work.

B. Sc MPCS

PO 1: Bachelor of Science offers theoretical as well as practical knowledge about different subject areas.

PO 2: This course forms the basis of science for coherent understanding of the academic field to pursue multi and inter-disciplinary science careers in future. These subject areas include Physics, Chemistry, Mathematics, Computer Science, Acqua culture and Zoology.

PO 3: Able to plan and execute experiments or investigations, analyze and interpret data information collected using appropriate methods.

PO 4: It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace through research.

PO 5: Be able to program fluently in one or two programming languages.

PO 6: Understand the major programming paradigms and be able to learn a new programming language in a fairly short time and understand standard techniques for solving a problem on a computer, including programming techniques and techniques for the representation of information.

PO 7: Understand the basic theory of computer architectures, the nature of operating systems and compilers, software development process, and how information technology affects society, business and the individual.

PO 8: Be able to effectively communicate with persons who are not technically versed in the subject.

SRI DNR GDC(W),PALAKOL

DEPARTMENT OF COMPUTER SCIENCE

PO's

PROGRAM OUTCOMES (POS)

PO1. Critical Thinking: Apply critical thinking and enhance learning in the three major subjects of their choice with scientific reasoning and analytical skills.

PO2. Problem solving: Think logically and organize task into a structured form for problem solving by applying the knowledge of basic science.

PO3. Effective communication: To develop the ability of effective communication of scientific information in written and oral format.

PO4. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.

PO5. Ethics: Apply ethical, moral and social values in personal and professional life leading to holistic development of the individual.

PO6. Environment and sustainability: Develop interdisciplinary approach to provide better solution and innovative ideas for sustainable development and conservation of natural resources.

PO7. Self-directed and lifelong learning: Recognize the need for and have the ability to engage in independent, lifelong learning and adapt to technological changes to be globally competent

DEPARTMENT OF MATHEMATICS
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL
Programme Specific Outcomes(PSOs)

PSO1: Develop problem solving skills ,thinking ,creativity through assignments, project work.

PSO2: Develop lifelong learning skills with interdisciplinary approach towards sustainable development.

PSO3: Ability to communicate effectively the comprehended scientific data and knowledge, write effective reports, design documentation and make effective presentations.

PSO4: Provide advanced knowledge on topics mathematics, empowering the students to pursue higher degrees at reputed academic institutions.

PSO5: Inculcate mathematical reasoning

PSO6: Understanding of fundamental axioms in mathematics and capability of developing ideas based on them

PSO7: Assist students in preparing for competitive examinations.

PSO8: Prepare and motivate students for research studies in mathematics and related fields.

PSO9: Provide knowledge of a wide range of mathematical techniques and applications of mathematical methods in other science domains

DEPARTMENT OF computer science
SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

PROGRAM SPECIFIC OUTCOMES (PSOS)

PSO1. Gain knowledge and understanding of definitions, concepts, theorems in Algebra, Analysis, Differential Equations and Linear Algebra.

PSO2. Use Mathematical software leading to professional development.

PSO3. Acquire logical and analytical skills to apply the concepts to model and solve real life problems in related areas.

PSO4. Attain sound knowledge in the areas of Mechanics, Thermal Physics, Optics, Electromagnetism, Quantum Physics, Solid state Physics for pursuing higher education and research.

PSO5. Demonstrate basic knowledge of Physics in developing logical tools and models to draw valid solutions.

PSO6. Analyze and solve problems using reasoning skills based on concepts of Physics.

PSO7. Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity.

PSO8. Engage in professional development in the fields of Information Technology and Computer Science.

PSO9. Know about computing principles and business practices employed as software solutions in industries.

DEPARTMENT OF CHEMISTRY

SRI DNR GOVERNMENT DEGREE COLLEGE (W): PALAKOL

Programme Specific Outcomes(PSOs)

PSO-1: The students will understand the existence of matter in the universe as solids, liquids, and

Gases which are composed of molecules, atoms and sub atomic particles.

PSO-2: Students will learn to estimate inorganic salt mixtures and organic compounds both

Qualitatively and quantitatively using the classical methods of analysis in practical classes.

PSO-3: Students will grasp the mechanisms of different types of reactions both organic and

Inorganic and will try to predict the products of unknown reactions.

PSO-4: Students will learn to synthesize the chemical compounds by maneuvering the addition of

Reagents under optimum reaction conditions.

DEPARTMENT OF COMMERCE SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

PROGRAMME SPECIFIC OUTCOMES

- ☐ After completion of B.Com course the students will be able to do post graduation and undertake research activity in the field of finance and Commerce.
- ☐ The course provides a good foundation to students who wish to pursue professional courses like CA, ICWA and CS etc.
- ☐ Students will gain thorough and systematic knowledge in various subjects like Accounting, Banking, Finance, Taxation and Marketing etc.
- ☐ The students will be able to acquire entrepreneurship skills and managerial skills.

- The course develops communication skills, decision making skills and innovative thoughts in students.

By studying this course the students will get good jobs and occupy good positions like Bank Managers, Auditors, Company Secretaries, Professors and so on.

DEPARTMENT OF ZOOLOGY SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

PROGRAMME SPECIFIC OUTCOME

PSO 1: Understand The program Botany, Zoology and chemistry has been introduced to prepare the students for a career which finds application and provides solution to some of the major contemporary problems on the globe i.e., providing food for growing population, designing

advanced medical treatment options for increasing evolving diseases, to find solution to

deteriorating environment caused due to over exploitation / misuse of natural resources etc.,

PSO 2: In this program the study of Biology offers around the world there are biologists making a difference to our lives – ensuring our food is safe, treating and preventing diseases, developing green technologies or tracking the role of organisms in climate change.

PSO 4: In this program the knowledge about the subject chemistry come in to play when

structures of macromolecules and their interactive relations to the environment are to be understood.

Finally the subject biology amalgamates the various disciplines of sciences and offers

ethically acceptable knowledge to bring about sustainable solutions for a variety of problems

related to Ecology, Evolution, Agriculture, Environment and Quality of human life. These

problems are solved with sole responsibility of using appropriate tools while keeping in mind

safety factor of Environment and society.

DEPARTMENT OF ECONOMICS

SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Program Specific Outcome :-

PSO 1 :- Consumer behavior – has been wealth, welfare, scarcity, utility, Demand analysis, price, income, elasticity of demand, budget etc are known to the students.

PSO 2 :- Production and Price Theory : Production function and their laws total, fixed and variable costs, Marginal and average costs, concept of Revenue, Market structures, Price determination and equilibrium of firm and Industry. Monopoly – Oligopoly, Wage determination, Modern theory of wages concept of minimum wage are thoroughly known to the students.

PSO 3 :- National Income – definitions, concepts of Economy. Classical theory of Employment, Keynesian theory of Employment, consumption function, Investment function, Meaning and

Functions of Money, RBI classification of Money, etc are known to the students.

PSO 4 :- Students are well aware of Trade cycles, Inflation measures, Function of Commercial Banks, Credit creation – functions of RBI, Non-Bank financial Institutions, Defects of Indian Money Market and International Trade, Taxes, Balance of payments, Public Expenditure and its effects Public Debt and Private Debt.

PSO 5 :- Economic Students are guided Economic growth of India and Andhra Pradesh Economy. Sustainable development, Labour intensive and capital intensive methods. Natural resources, population policy and concepts of population demand, unemployment, measures taken by the Government to reduce unemployment in India. Students are also aware about liberalization, privatization and globalization. Govt. Budgets, Types of budgets and their classification. Deficit Budget etc.

PSO 6 :- Students are know about Indian Agriculture, Productivity, Rural Credit, Microfinance, Self help groups. Crop insurance and Food Security. Industrial Policies, Small scale industrial polices by Govt. of India. FEMA – Service sector in India. IT, Education and Health. Planning in Indian Economy objective of Five Year plans, NITI Aayog, Andhra Pradesh Economy, SEZ etc.

DEPARTMENT OF BOTANY

SRI DNR GOVT.DEGREE COLLEGE (W)-PALAKOL

Programme Specific Outcomes

1. Educate students in and around Tiruchirappalli, a prime area of Cauvery Delta, about plant science.
2. Inculcate strong fundamentals on modern and classical aspects of Botany.

3. Build life skills in Edible mushroom cultivation, Biofertilizer production, Greenhouse maintenance and Seed technology through value-added courses.
4. Create platform for higher studies in Botany.
5. Facilitate students to take-up successful career in Botany