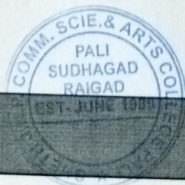


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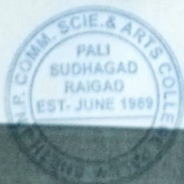



2.6.1.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are started and displayed on website and attainment of POs and COs are evaluate.



Year 2023-24

**Department-wise stated
Programme Outcomes,
Special Programm
Outcome & Course
Outcomes**

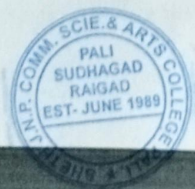


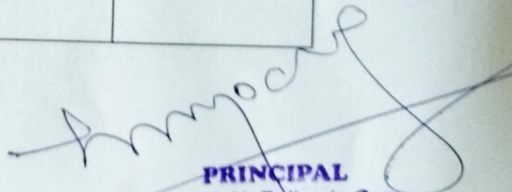

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Department-wise stated Programme Outcomes & Course Outcome

Name of the Department	Stated Programme Outcomes & Course Outcome		
COMMERCE	UG	PG	-
MARATHI	UG	PG	-
GEOGRAPHY	UG	-	-
HISTORY	UG	PG	-
ECONOMICS	UG	-	-
CHEMISTRY	UG	PG	-
PHYSICS	UG	-	-
BOTANY	UG	-	-
MATHEMATICS	UG	-	-




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COMMERCE DEPARTMENT

2023-2024

B.Com.

Program outcomes

On completion of the program:

PO 1: Learners will gain knowledge in the fundamentals of commerce and a deep understanding of all the courses undertaken.

PO 2: Learners will be equipped to join the industry or setup own entities, peruse further professional and other courses.

PO 3: Learners will be equipped to face upcoming challenges in the industry and business as the specializations offered expose them to practical aspects.

PO 4: Learners will be responsible citizens as various academic and co-curricular courses imbibe sensitivity, moral and ethical values among them.

Specific Programme Outcome

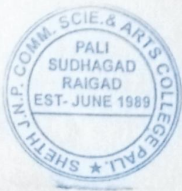
PSO1: To cater to the human resource needs of companies in accounting and auditing, tax laws, financial analysis and costing.

PSO2: to inspire entrepreneurship and managerial skills in learners so as to enable them to establish and manage businesses effectively.

PSO3: To impart the learners with exhaustive and in-depth knowledge of financial system and investment decisions.

PSO4: To enrich the learners with good communication, numerical ability, team work, leadership skills and ethical values.

PSO5: to enable students with ICT skills through MS Excel and enrich their knowledge for career enhancement.



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Semester I

Course Outcomes

Course Outcome	Accountancy and Financial Management - I
CO I	Learner came to know compulsory accounting standards issued by ICAI, its relevance to India in maintenance of accounts, disclosure and revenue recognition
CO II	Learner came to know various methods of stock valuation; methods which are recognised under AS-2, impact on profit if a method is changed.
CO III	Learner came to know what is capital exp. and revenue exp. And distinction between them; its importance in preparation of final accounts.
CO IV	Learner got the skill of preparing Final account of sole proprietary concern of manufacturing unit and trading unit.
CO V	Learner developed the skill of preparing final accounts for departmental store, allocation of cost among different depts. On suitable basis
CO VI	Learner developed the skill of accounting of hire purchase transactions, calculation of interest, depreciation etc

Course Outcomes

Course Outcome	Mathematical and Statistical Techniques-I
CO I	Students will be able to understand concept of Shares and Mutual fund, able to determine profit, rate of interest etc for the investment.
CO II	Students will be able to apply counting principles like combination and permutation in various problems
CO III	Students will know how to determine optimal solution graphically
CO IV	Students will be able to apply mean, mode, median, standard deviation etc. In different areas of commerce accounts and economics
CO V	Students will be able to calculate probability of basic real-life problems

Course Outcomes

Course Outcome	Business communication - I
CO I	The program aims to develop communication skill.
CO II	To build confidence to face the challenges of the corporate world.
CO III	Create awareness shapes attitudes and overall improves interaction between people.



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Course Outcomes

Course Outcome	Introduction to Business and Service Sector I
CO I	Understanding Concept of Traditional and modern businesses
CO II	Clear New Trends in Business. e.g Privatization, Liberalization & Globalization
CO III	Obtaining the knowledge about Elements of Business Environment.
CO IV	Knowledge about Feasibility and Project Report.
CO V	Understanding the concept of Entrepreneurship, Entrepreneur and Women Entrepreneur.

Course Outcomes

Course Outcome	Foundation Course-I
CO I	Students are made to understand the religious, linguistic and cultural diversity of the Indian society and its characteristics
CO II	Students are able to describe the nature of inequality and its causes and consequences on the society.
CO III	Students are made to understand the nature of inequality caused due to these problems and find the solution.
CO IV	Students are able to understand the nature of preamble, features of the constitution and significance of fundamental duties
CO V	Students are able to understand working of the local self-government like municipal corporation, Z.P. Gram Panchayat etc

Semester II Course Outcomes

Course Outcome	Accountancy and Financial Management - II
CO I	Learner got the understanding of Single entry and how to
CO II	Learner develop the skill of preparing branch accounts its relevance and ascertainment of branch profit.
CO III	Learner came to know what is consignment sale, its relevance, accounting of transactions in the books of consignor and consignee and ascertaining consignment profit.
CO IV	Learner got the understanding of various types of general insurance; how to ascertain stock on the date of fire, calculation of claim when insurance cover is more or less than stock.



Rekha Katar
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Course Outcomes

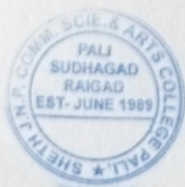
Course Outcome	Mathematical and Statistical Techniques-II
CO I	Students will be able to use derivatives for solving various commercial problems
CO II	Students will be able to calculate annuity, EMI and interest for their personal as well as real life investments.
CO III	Students will be able to correlate different entities and are able to give a linear relation between those values
CO IV	Students will be able to apply concept of time series or index numbers to analyse a business.
CO V	Students will have basic idea of probability and its distributions

Course Outcomes

Course Outcome	Business communication - I
CO I	To learn the principles of effective communication so that they can communicate with confidence in the corporate world.
CO II	Understands the techniques of group discussion. The guidelines of preparing for the Interview along with the knowledge of drafting different formats of letters like enquiry, sales, marketing, claim, adjustments, appointment and termination.
CO III	Enhances understanding the effective use of communication technology

Course Outcomes

Course Outcome	Introduction to Business and Service Sector II
CO I	Understanding the concept and classification of Services.
CO II	Cleaning marketing Mix For Service (4Ps)
CO III	Getting Knowledge about Scope and opportunities in Service Sector.
CO IV	Knowledge about Recent Trends in Service Sector. E.g BPO, KPO, LPO, ERP.
CO V	Getting the knowledge about E- Commerce and scope and population of e-commerce



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Course Outcomes

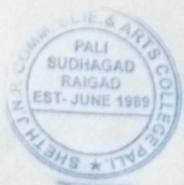
Course Outcome	Foundation Course-II
CO I	Students are able to understand the meaning of basic concepts related to globalization and its impact on the Indian economy
CO II	Students are made to understand the significance of basic human life and fundamental rights in the modern society
CO III	Students are able to understand nature of environmental problems and their duty towards protection of the environment
CO IV	Students are able to explain the causes of stress, conflict, aggression and violence.
CO V	Students able to understand various techniques like Yoga, meditation, etc. as the tools to manage stress.

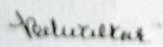
Semester III Course Outcomes

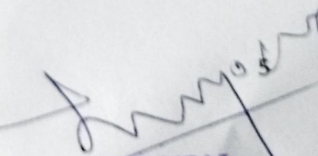
Course Outcome	Accountancy and Financial Management – III (Financial Accounting)
CO I	Students will understand the process of preparation of final account of admission, retirement and death of partners. Be able to analyses the profit/loss of firm at time of pre and post admission, retirement and death of partners. Able to understand accounting treatment of Goodwill during admission, retirement and death of partner. Final Account of Partnership firms with various adjustments
CO II	Students come to know the meaning of dissolution in depth. Get knowledge of internal and external liabilities. Methods of piecemeal distribution of cash. Distribution of cash among the external and internal liabilities appropriately.
CO III	Understand the meaning and concept of Amalgamation. Purpose of amalgamation and the methods of amalgamation Will able to understand accounting procedure
CO IV	Will understand the concept and need of conversion of partnership firm into a company. Methods of Purchase Consideration

Course Outcomes

Course Outcome	Accountancy and Financial Management – V (Introduction to Management Accounting)
CO I	Students would explain the significance of basic concept, importance & functions of Management Accounting




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CO II	Students would illustrate the Vertical format of financial statements, and also tools of financial analysis such as Trend Analysis, Comparative Analysis and Common Size Statement.
CO III	Students would calculate the various ratios and would be able to discuss the significance and use of the various ratios.
CO IV	Students would be able to prepare cashflow statements using Indirect method.
	Students would calculate the estimated working capital requirement of the entity.

Course Outcomes

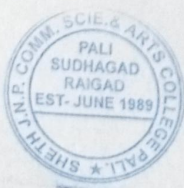
Course Outcome	Business Law - I
CO I	To give the brief idea about the framework of Indian Business Law.
CO II	Explain the students with case law studies related to business law.
CO III	Prepare Students about the legal aspects of business.

Course Outcomes

Course Outcome	Management: Functions and Challenges (Commerce- III)
CO I	Learners are expected to know the meaning of management, evolution of management thoughts and be able to compare ancient and modern management approach.
CO II	Learners are expected to apply the process of Planning in day-to-day activities. They should be able to use Decision Making Techniques while making decisions
CO III	Learners are expected to understand the bases of departmentation in various companies.
CO IV	They should also understand the importance of motivation and leadership with proper controls. Learners are expected to know the challenges faced by man

Course Outcomes

Course Outcome	Foundation Course-III
CO I	The successful completion of course will enable the learner to understand the remedial measures taken to address human right issues.
CO II	It will help create awareness and empathy among learners about various issues faced by marginalized sections of society
CO III	It will help ingrain social responsibility and participatory approval towards society.



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Semester IV

Course Outcomes

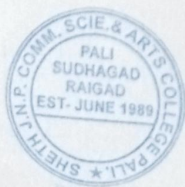
Course Outcome	Accountancy and Financial Management – IV (Financial Accounting)
CO I	Students will learn about the meaning of companies, its types and procedure of formation of company.
CO II	Students will learn the concept of redemption of preference shares, sources of redemption, accounting procedure of redemption and preparation of balance sheet of the company immediately after redemption.
CO III	Students shall get the knowledge of basis of redemption, methods of redemption, conversion of debentures, redemption of both preference shares and debentures and preparation of balance sheet of the company immediately after redemption
CO IV	Students shall understand the concept of profit prior to incorporation and its treatment in accounts

Course Outcomes

Course Outcome	Accountancy and Financial Management – VI (Auditing)
CO I	Learners will be able to understand basics of Auditing Concepts and Techniques and their application in Audit
CO II	The learner shall be able to comprehend Standards on Quality Control (SQC)s and New/Revised Standards (Auditing, Review and Others) issued under the Clarity Project
CO III	Learners shall possess the knowledge of interpreting the Audit Report of the Companies through cases and examples with reference to New/Revised Standards (Auditing, Review and Others)
CO IV	Learners shall be able to read and comment on Annual Reports of the companies listed on BSE with reference SA 700-799, Audit Conclusions and Reporting

Course Outcomes

Course Outcome	Business Law - II
CO I	Prepare Students with laws related to Consumers protection Act, IPR, Company Act, partnership Act which will help the students to have complete legal knowledge of Business.
CO II	Provides legal knowledge to the students about Right to information act



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Course Outcomes

Course Outcome	Commerce IV (Production and Finance)
CO I	The learner is expected to understand the production process of industries and the inventory control techniques followed by them.
CO II	The learner is expected to know the various Quality Management processes and techniques adopted by companies.
CO III	The learner is expected to have a complete understanding of all components of the Indian financial system.
CO IV	The learner is expected to differentiate between different types of market players.
CO V	A desired outcome is that the learner is motivated to become more financially included by participating in financial markets

Course Outcomes

Course Outcome	Foundation Course-IV
CO I	The successful completion of the course will help learners to become aware of contemporary rights and their role in building a healthy society
CO II	It will impart detailed knowledge about latest technologies, their applications and limitations. This will help in bringing a sense of responsibility with respect to usage of technology among learners.
CO III	It will help improve interpersonal and soft skills among learners to make them

S. Y. B. A. Course Outcome

Course Outcome	Advertising – I
CO I	Students are expected to know the meaning of advertising and its importance to brand building.
CO II	They are also expected to get empowered as consumers and learn how to bring accountability to advertising.
CO III	Students learn about the emergence of media as well as study about the technological advancements/ growth of media industry in India
CO IV	To explain the different forms of advertising and stimulate interest



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Course Outcome

Course Outcome	Advertising – II
CO I	Get an understanding of advertising as a tool of Integrated Marketing Communication.
CO II	Obtain knowledge about economic and social impact of advertising and thereby ethical aspects in advertising
CO III	Understand different types of advertising and role of advertising agency.
CO IV	Be aware of various mediums of advertising and understand its benefits and disadvantages.
CO V	Learn about techniques of using and creating Copy, Slogan, headlines, illustrations and logo for effective construction of advertisements.

(Semester V)

Course Outcomes

Course Outcome	Financial Accounting and Auditing – VII (Financial Accounting)
CO 1	Obtaining the knowledge of preparation of final accounts, banks and insurance company
CO 2	Obtaining the knowledge of procedure of buy back shares
CO 3	Exposure to valuation of equity shares, debentures and securities
CO 4	Getting knowledge of responsibilities of ethical behavior for accountants such as CSR and Financial Reporting

Course Outcomes

Course Outcome	Financial Accounting and Auditing – VIII (Cost Accounting)
CO 1	1. Clear concepts of Cost, Costing and Cost Accounting
CO 2	2. Getting knowledge about Material Cost, Labour Cost and Overheads
CO 3	3. Obtaining the knowledge of classification of costs and preparation of cost sheets



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Course Outcomes

Course Outcome	Export Marketing- I
CO 1	1. To understand the main concept of export marketing. Eg. Blanket permit, duty draw back and dumping etc.
CO 2	2. Understanding the importance of Export Marketing and Promotion Organisation in India
CO 3	3. Understanding of procedure for obtaining export finance

Course Outcomes

Course Outcome	Purchasing & Store Keeping - I
CO 1	1) To give the knowledge about the materials management and material requirement planning.
CO 2	2) Study the Material research & E- Material Management.
CO 3	3) To explain the scientific purchasing
CO 4	4) To learn the purchase procedure ie. National Purchase procedure & International Purchase procedure

Course Outcomes

Course Outcome	Direct Tax- I
CO 1	1. Understanding the concept of Direct Tax
CO 2	2. Understanding the basic terms E.g Assessee, assessment year, annual value, business, capital assets, income, person, previous year, transfer.
CO 3	3. Obtaining the knowledge of Heads of Income. e.g Salary, House Property, profits and gain of business or profession, Capital gains, other sources.
CO 4	4. Knowledge about Deduction form total Income. E.g S 80, S 80C, S80CCC, S 80D, S 80DD, S 80E, S 80 U S 80 TTA.

Course Outcomes

Course Outcome	Marketing and Human Resource Management - V
CO 1	1. Clearing concepts of Traditional Marketing and Modern Marketing
CO 2	2. Knowledge about essentials of good Management Information System
CO 3	3. Understanding importance of Marketing Mix
CO 4	4. Clear concepts of Human Resource Management, Human Resource Planning, Human Resource Development



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**(Semester VI)
Course Outcomes**

Course Outcome	Financial Accounting and Auditing – IX (Financial Accounting)
CO 1	Treatment of Amalgamation, Internal and External Reconstruction of companies.
CO 2	Getting knowledge of Liquidation of Companies.
CO 3	Getting knowledge of underwriting of shares and debentures ⁶
CO 4	Understanding of accounting for Limited Liability Partnership and Liquidation Companies ⁶

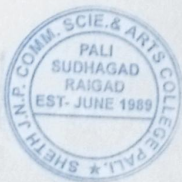
Course Outcomes

Course Outcome	Financial Accounting and Auditing – X (Cost Accounting)
CO 1	Exposure to reconciliation of cost and financial accounts
CO 2	Treatment of Contract Costing, Process Costing,
CO 3	Getting knowledge of Marginal Costing, Standard Costing

Course Outcomes

Course Outcome	Export Marketing - II
CO 1	Understanding role of financial institutions
CO 2	Explanation of the registration of export procedure with different authorities
CO 3	Understanding Export trade and documents and incentives used in it
CO 4	Understanding the Export pricing, export Quotation, Marketing Strategy and calculation of FOB Price.

Course Outcome	Purchasing & Store Keeping - II
CO 1	Create awareness about Store keeping & material handling.
CO 2	Understands the techniques of Store accounting & Store Record.
CO 3	Information about how to control inventory control.
CO 4	To learn the concepts, Nature, importance, & Challenges of logistics. & Supply chain management



Pratibha Kulkarni
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Course Outcomes

Course Outcome	Indirect Tax - II
CO 1	Knowledge in detailing about Concept of Goods and service tax Act 2017.
CO 2	Understanding type of GST in India. (CGST, SGST, IGST, UTGST).
CO 3	Clear the concept of Supply and information about levy and Collection of Tax.
CO 4	Getting the knowledge about Input Tax credit and computation payment of GST.
CO 5	Obtaining the knowledge of Registration Under GST Law

Course Outcomes

Course Outcome	Marketing and Human Resource Management - VI
CO 1	Understanding knowledge about role of Human Resource Manager
CO 2	Understanding recent trends in Human Resource Management
CO 3	



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MASTER OF COMMERCE (ADVANCED ACCOUNTANCY)

PROGRAM OUTCOME

2023-2024

- PO 1:** To provide a systematic and rigorous learning and exposure to Banking and Finance related disciplines.
- PO 2:** To train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business.
- PO 3:** To acquaint a student with conventional as well as contemporary areas in the discipline of Commerce.
- PO 4:** To enable a student well versed in national as well as international trends.
- PO 5:** To facilitate the students for conducting business, accounting and auditing practices, role of regulatory bodies in corporate and financial sectors nature of various financial instruments.
- PO 6:** To provide in-depth understanding of all core areas specifically Advanced Accounting, International Accounting, Management, Security Market Operations and Business Environment, Research Methodology and Tax planning.

PROGRAM SPECIFIC OUTCOME

After Completing Masters in Commerce students are able to: -

- PSO1:** Develop an ability to apply knowledge acquired in problem solving.
- PSO2:** Ability to work in teams with enhanced interpersonal skills and communication.
- PSO3:** The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration.



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SHETH J. N. PALIWALA COMMERCE COLLEGE, SCIENCE & ARTS COLLEGE
PALI -SUDHGAD -RAIGAD
DEPARTMENT OF COMMERCE (PG)
NEP 2020
PROGRAMME OUTCOMES OF MASTER OF COMMERCE
CLASS -M.COM PART -I (NEP)

1. PO1: To develop an understanding of advanced accounting concepts, principles, and practices.
2. PO2: To apply advanced accounting techniques to complex financial transactions and events.
3. PO3: To analyze and interpret financial statements and reports using advanced accounting tools and techniques.
4. PO4: To develop skills in financial reporting, taxation, and auditing using advanced accounting principles.
5. PO5: To apply ethical principles and professional standards in advanced accounting practices.

SUBJECT - RESEARCH METHODOLOGY
SEMESTER - I

COURSE OUTCOMES

The course outcomes for Research Methodology include :

- CO1: Understanding the fundamental concepts of research methodology
- CO2: Ability to identify and formulate research problems, objectives, and hypotheses
- CO3: Understanding various research designs and data analysis methods
- CO4: Ability to design and develop a research proposal
- CO5: Understanding the importance of ethics in research



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**SUBJECT - ADVANCE FINANCIAL ACCOUNTING
SEMESTER - I**

COURSE OUTCOMES

The course outcomes for Advanced Financial Accounting include :

1. CO1: Understand and apply advanced financial accounting concepts, including accounting standards and regulatory frameworks.
2. CO2: Analyze and interpret complex financial statements and reports, including consolidated financial statements.
3. CO3: Apply advanced financial accounting techniques, including accounting for leases, pensions, and income taxes.
4. CO4: Evaluate the impact of accounting standards and regulatory changes on financial reporting.
5. CO5: Develop skills in financial statement analysis and interpretation using advanced financial accounting tools and techniques.

**SUBJECT - ADVANCE TRENDS IN ACCOUNTING - I
SEMESTER - I**

COURSE OUTCOMES

The course outcomes for Advanced Trends in Accounting include :

1. CO1: Understand recent developments and trends in accounting, including accounting standards and regulatory changes.
2. CO2: Analyze the impact of emerging issues and trends on financial reporting and accounting practices.
3. CO3: Apply advanced accounting techniques and tools to address contemporary accounting issues.
4. CO4: Evaluate the implications of advanced accounting trends on business decision-making and financial management.
5. CO5: Develop skills in critical thinking, analysis, and problem-solving in the context of advanced accounting trends.



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**SUBJECT - ADVANCE TRENDS IN ACCOUNTING - II
SEMESTER - II**

COURSE OUTCOMES

The course outcomes for Advanced Trends in Accounting -II include :

1. CO1:- Understanding Advanced Accounting Concepts: Students will comprehend recent developments and trends in accounting, including accounting standards and regulatory changes ¹.
2. CO2:- Analyzing Emerging Issues: Students will analyze the impact of emerging issues and trends on financial reporting and accounting practices.
3. CO3:- Applying Advanced Accounting Techniques: Students will apply advanced accounting techniques and tools to address contemporary accounting issues.
4. CO4:- Evaluating Implications: Students will evaluate the implications of advanced accounting trends on business decision-making and financial management.
5. CO5:- Developing Critical Thinking: Students will develop skills in critical thinking, analysis, and problem-solving in the context of advanced accounting trends.

**SUBJECT - ON JOB TRAINING
SEMESTER -II**

COURSE OUTCOMES

The course outcomes for On Job Training include :

1. CO1: Apply theoretical concepts learned in the classroom to practical problems in a real-world setting.
2. CO2: Develop skills in communication, teamwork, and problem-solving in a professional environment.
3. CO3: Understand the organizational structure, policies, and procedures of the training organization.
4. CO4: Analyze and evaluate the operational processes and systems of the training organization.
5. CO5: Develop a professional portfolio and reflective journal to document learning and experiences during the training.



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COURSE OUTCOMES

MCOM PART- II

Course Outcome	E - Commerce
CO 1	Assess e commerce requirement of a business
CO 2	Demonstrate an understanding of the foundations and importance of E-commerce Explain regulatory environment of ecommerce.
Research Methodology for Business	
CO 1	Perform robust research through the application of accepted applied research methodologies.
CO 2	Apply fundamental skills in formulating research problems
CO 3	Explain the Concept & Features of a good research design and the difference between Qualitative research and Quantitative research approaches.
Corporate Finance	
CO 1	Provide the conceptual background for corporate financial analysis from the point of corporate value creation
CO 2	Evaluate different management decisions and their influence on corporate performance
CO 3	Develop analytical skills this would facilitate the decision making in business situations
Macro-Economic Concepts and Applications	
CO 1	Utilize a simple contemporary economic model such as the aggregate supply/aggregate demand model and describe the interrelationships among prices, income and interest rates as they affect consumption, saving and investment.
CO 2	Use and apply a wide range of economic models to analyze contemporary and historical macroeconomic events, and formulate and propose appropriate macroeconomic policies.
CO 3	Define fiscal and monetary policies and how these affect the economy.



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COURSE OUTCOMES

MCOM PART- III

Course Outcome	Advanced Financial Accounting
CO 1	Prepare final accounts of banking companies
CO 2	Prepare final accounts of insurance companies following the statutory requirements
CO 3	Prepare the final accounts of cooperative societies
Advanced Cost Accounting	
CO 1	Identify and Assign Costs to Activities.
CO 2	Apply costing methods and techniques appropriate to a variety of different businesses
CO 3	Explain Strategic Cost Management and its importance
Direct Tax	
CO 1	Practice as a tax consultant in various areas under the IT ACT
CO 2	Apply the provisions of income tax laws in calculating income of various assesses
CO 3	Explain the Deductions to be made in Computing Total Income

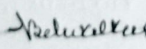
COURSE OUTCOMES

MCOM PART- IV

Course Outcome	Corporate Financial Accounting
CO 1	Demonstrate knowledge of accounting standards and IFRS
CO 2	Aware of various requirements of corporate reporting
CO 3	Interpret consolidated financial reports
Indirect Tax- Introduction to Goods and Service Tax	
CO 1	Make use of knowledge of GST rules in taking managerial decisions in various tax related matters
CO 2	Analyze and understand the implications of GST on your business.
CO 3	Know "place of supply rules" and applicability of the same under GST
Financial Management	
CO 1	Decide form and amount of short-term financing that best suits a given corporate need based on historical and projected analysis
CO 2	Select and apply techniques in managing working capital
CO 3	Apply the tools from financial management this would facilitate the decision making i.e. Capital Budgeting, Ratio Analysis.

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DEPARTMENT OF MARATHI - (UG)
PROGRAMME-BACHELOR OF ARTS IN MARATHI

PROGRAMME OUTCOMES OF BACHELOR OF ARTS IN MARATHI

PO1	Understand the Literary history, Linguistics and applied linguistics of Marathi.
PO2	Gain knowledge about impact of Western literature on Marathi literature and the study of western literary theories.
PO3	Understand new developments in literary studies, Literature for the media, Study of writing for films.
PO4	Acquire the knowledge about applied criticism.
PO5	Develop an ability and interpretation, evaluation of literary text and apply the knowledge gained thing literature in real life.
PO6	Understand the theories and approaches to language studies and literature studies.
PO7	Learn the concept of development and genesis of literature.
PO8	Understand the various branches and types of Ancient, Medieval and Early Literature.
PO9	Gain knowledge about Prose literature: Ancient, Medieval and Modern.
PO10	Learn the Genres in Marathi literature, Study of various trends in and influences on literary study.



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COURSE OUTCOMES OF BACHELOR OF ARTS IN MARATHI

Course Code: UMAR 1CI: Paper – Marathi Compulsory

CO1	Understand the interrelation between literature and society.
CO2	Develop reading, writing and communication skills.
CO3	Explain the nature of language and literature.
CO4	Develop the essay writing skills.
CO5	Acquire the skill of translation.

Course Code: UMAR 101: Paper – I: Marathi Ancillary

CO1	Obtain the skills of literary criticism.
CO2	Illustrate the nature of literary forms like one-act-play, travelogue, short story and poetry.

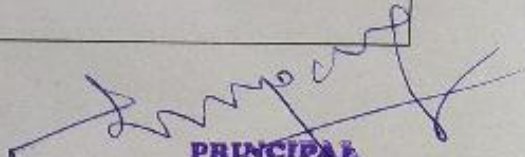
Course Code: UMAR 301: Paper – II: Kathan Sahitya

CO1	Gain knowledge of the medieval Marathi literature.
CO2	Achieve knowledge of the contemporary literary works.
CO3	Explain the need and significance of editing.

Course Code: UMAR 302: Paper – III: Bhasha V Boli bhasha

CO1	Gain knowledge of the medieval Marathi language.
CO2	Learn techniques of the contemporary literary works.
CO3	Acquire the skill of translation.
CO4	Explain of the need and significance of editing.




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Course Code: UMAR 501: Paper – IV: History of Medieval Marathi Literature	
CO1	Learn techniques of the historical survey of medieval Marathi literature.
CO2	Increase knowledge of the literary forms in medieval literature.
CO3	Explain of the trends and structure of medieval Marathi literature.
CO4	Understand the Sant-Pant-Tant Medieval Marathi literature.

Course Code: UMAR 502: Paper – V: Indian & Western Poetics	
CO1	Acquire knowledge of phonology.
CO2	Acquaintance with oriental poetry.
CO3	Understand the nature and features of poetry.
CO4	Create the skill of critical appreciation of a poem.
CO5	Develop the poetic devices and their usages.

Course Code: UMAR 503: Paper – VI: Literature & Society	
CO1	Acquaintance of the various trends in literary and society.
CO2	Understand various trends in current literature.
CO3	Understand various trends in Dalit, Mahanagari, Garmin and Srivadi Literature.
CO4	Understand the importance of feminism.

Course Code: UMAR 504: Paper – VII: Linguistics & Marathi Grammar	
CO1	Get acquainted with modern linguistics.
CO2	Understand origin, nature and function of language.
CO3	Understand the communication process and method.

Course Code: UMAR 505: Paper – VIII: Modern Marathi Literature	
CO1	Understand the nature and features of Modern Marathi literature.
CO2	Leran of socio-cultural and political background of 1945 to 2010 periods.
CO3	Create the skill of critical appreciation of a poem, novel, drama and story.

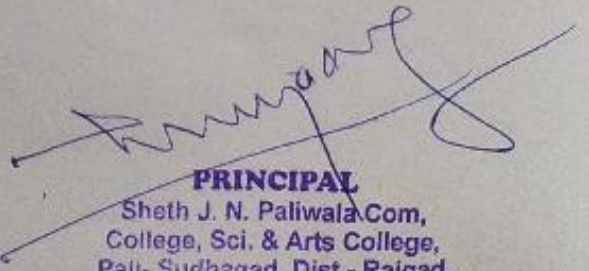


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Course Code: UMAR 506: Paper – IX: Occupational Marathi

CO1	Understand the formal and informal language.
CO2	Develop various language skills.
CO3	Get motivation for creative writing.
CO4	Understand the technique of mass communication.




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COURSE OUTCOMES OF MASTERS OF ARTS IN MARATHI

Course Outcomes (CO's)

M.A. I (Theory of Literature)

1. Understanding the interrelation between literature and society.
2. Develop reading, writing and communication skills.
3. Explaining the nature of language and literature.

• **M.A.I (Applied Criticism)**

1. Introduction of the Applied Criticism.
2. Introduction of the contemporary literary works.
3. Explanation of the need and significance of editing.

• **M.A. I (History of medieval Marathi literature)**

1. Introduction of the medieval Marathi language and literature.
2. Introduction of the contemporary literary works.
3. Acquiring the skill of translation.
4. Explanation of the need and significance of editing

• **M.A.I (Linguistics)**

1. Getting acquainted with modern linguistics.
2. Understanding origin, nature and function of language.
3. Getting information about phonetics.
4. Enhancing the interest in Marathi language.

• **M.A. II (Dalit Literature)**

1. Introduction of the historical situation of peoples who belongs from backward class.
2. Introduction of the literary forms in Dalit Sahitya.
3. Explanation of the trends and structure of Dalit Sahitya.

• **M.A. II (Garmin Literature)**

1. To do critical study of Garmin Literature
2. To comprehend the form of Dalit and Garmin Literature
3. To evaluate critically the Marathi Garmin novels and guides to the students




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- **M.A. II (Folklore)**

1. Students get acquainted with the folk culture in the country and familiar with the concept of folk literature.
2. Students familiarize with the traditional literature and myths, legends, epics, fables and folksongs and folktales, proverbs, phrases, folk rituals which are passed down by word of mouth through the generations

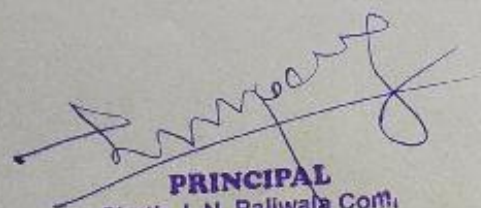
- **M.A. II (Adivasi Literature)**

1. Understanding origin, nature and function of Adivasi literature.
2. Understanding the social, economic, cultural background of Adivasi Community.

- **M.A. II (Research Methodology)**

1. Understanding the nature and features of Research Methodology.
2. To study the thesis writing process for the knowledge of research.
3. Creating the skill of critical appreciation of a poem, novel, drama and story.




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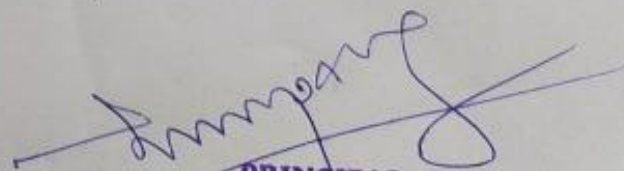
DEPARTMENT OF GEOGRAPHY – (UG)

PROGRAMME-BACHELOR OF ARTS IN GEOGRAPHY

PROGRAMME OUTCOMES OF BACHELOR OF ARTS IN GEOGRAPHY

PO 1	To inform the students about social and economic survey
PO 2	To provide information regarding conservation and conservation of environment and geographical resources for sustainable development
PO 3	To provide qualitative and quantitates knowledge of geography through theory and practical work in classroom and outdoor field work
PO 4	To create an interest research field to state and village development
PO 5	To make the students aware about conservation tree and sustainable uses of natural resources.
PO 6	To make the students El- Nino and La- Nina phenomenon, Coral reefs and their importance, Marine Ecosystem Marine pollution
PO 7	To make the students Preparation of a district thematic maps with actual data
PO 8	Construction of divided bar graphs & pie charts using MS-excel Preparation of datasheet in SPSS




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PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO-1. To inform the students about social and economic survey

PSO-2 To provide information regarding conservation and conservation of environment and geographical resources for sustainable development

PSO-3 To provide qualitative and quantitative knowledge of geography through theory and practical work in classroom and outdoor field work.

PSO-4 To create an interest research field to state and village development.

PSO-5 To make the students aware about conservation tree and sustainable uses of natural resources.



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COURSE OUTCOMES OF BACHELOR OF ARTS IN GEOGRAPHY

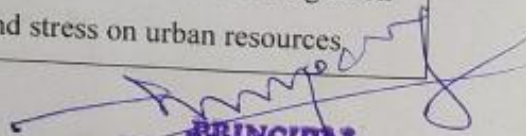
Semester-I
Course Outcomes

Course Outcome	SUBJECT NAME COURSE CODE:UAGEO-Credits-4, GEOMORPHOLOGY-(FYBA)
CO 1	Interior of Earth –Definition & Mining of Geomorphology – Composition & Structure of the Interior of Plate Tatum Tectonics Wagner's Theory's
CO 2	Endogenic Processes-Movement of earth, Folding & Fluting Volcanoes & Earthquakes
CO 3	Exogamic Processes- Withering and Mass Wasting- Fluvial and Glacial Landforms
CO 4	Exogamic Processes- Aeolian Landforms – Karst Lands forms Erosional and Depositional
CO 5	Concept of Contours - Calculation of gradient (with GE and VI) – Drawing of sections to depict Contour Landforms - Indivisibility

Semester-I
Course Outcomes

Course Outcome	Subject Name :- Environmental studies(F.Y.B.Com)
CO 1	Environment & Ecosystem- Environment : Meaning, definition , scope and its components: concept of an ecosystem: definition, Characteristics, Components and types, functioning and strode: Food Chain and Food Wed- Ecological Pyramids – Man and environment relationship; Importance and scope of Environmental Studies.
CO 2	Natural Resources and Sustainable Development – Meaning and definitions; Classification and types of resources, factors influencing resource utilisation
CO 3	Populations and Emerging Issues for Development –Population explosion in the world and in India and arising concerns – Demographic Transition Theory
CO 4	Urbanisation and Environment – Concept of Urbanisation – Problems of migration and urban environment changing land use, crowding and stress on urban resources.




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CO 5	Reading of Thematic Maps and Map filling – Reading of The Maps (4Lectures) Located bas, Circles, Pie charts, Isoleth, Choropleth and Flow map, Pictograms – Only reading and interpretation.
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**Semester-II
Course Outcomes**

Course Outcome	SUBJECT NAME COURSE CODE:UAGEO-Credits-4, Human Geography –(FYBA)
CO 1	Introduction to Human Geography- Meaning, Nature and Scope of Human Geography – Branches of Human Geography – Different approaches to Human Geography – Man Environment relationship: Determinism Possiblism, Probablism
CO 2	Settlements- Concept of Urban and Rural Settlements- Types & Patterns of Settlements – Site and Situation – Functional classification of Urban Settlements
CO 3	Population -Trends and Patterns of World population change – Demographic Transition Model – Population Distribution: Factors and Patterns – Concept and Problems of Under – population, over – population and optimum population
CO 4	Migration -Concept and Types of Migration – Causes of Migration: Push and Pull Factors – Consequences of Migration: Source and Destination Areas – Recent Trends in International Migration Theories: Lee’s Theory of Migration & Reilly’s Gravity Model
CO 5	Practical’s Nearest Neighbour Analysis – Construction and Interpretation of Age – Sex Pyramids – Construction and interpretation of Flow Diagrams

**(Semester III)
Course Outcomes**

Course Outcome	Subject Name:- Introduction Climatology(S.Y.B.A.)Paper-III
CO 1	Introduction to Climatology – Definition, nature, scope and branches of climatology, Composition and structure of atmosphere
CO 2	Air Pressure and Atmospheric Circulation –b Air pressure: Influencing factors- Tri cellular model Horizontal distribution of air pressure
CO 3	Humidity and precipitation – Humidity : Types –absolute, relative and specific, Condensation and its forms
CO 4	Climate and Weather Phenomena- Cyclones: tropical and temperate, Anti- cyclones and tornados El Nino and Indian monsoon, Global warming
CO 5	Practical Component – IMD : Weather signs and symbols, Interpretation of IMD weather maps, Construction of : wind rose, climate graph and hither graph



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**Semester-III-
Course Outcomes**

Course Outcome	SUBJECT NAME-Physical Geography of India(SYBA)
CO 1	Introduction of India – India : Location extent and significance, India: Major physiographic divisions and their formation, Mountainous region of India North Indian Plains.
CO 2	Drainage & Climate- Drainage System in in India, Major Himalayan Rivers, Major Peninsular Rivers, Seasons in India .Distribution of rainfall.
CO 3	Solid and Natural Vegetation.- Classification of Soils of India, Problems soils, Classification of forest, Importance of Forest, Deforestation & Conservation.
CO 4	Mineral & Power Resources- Distribution of Metallic in India, Iron-ore, manganese, Bauxite, copper, Distribution of Non-Metallic Minerals, Indian Mica. Limestone Gypsum. Clay & Distribution of [Power Resources. Coal, Minerals& power resources
CO 5	Practical Component- Map filing Ahoqing geographical features in the Map of India..

**Semester-III
Course Outcomes**

Course Outcome	SUBJECT NAME Physical Geography of India(SYBA) Paper-III
CO 1	Introduction of India – India : Location extent and significance, India: Major physiographic divisions and their formation, Mountainous region of India North Indian Plains.
CO 2	Drainage & Climate- Drainage System in in India, Major Himalayan Rivers, Major Peninsular Rivers, Seasons in India .Distribution of rainfall.
CO 3	Solid and Natural Vegetation.- Classification of Soils of India, Problems soils, Classification of forest, Importance of Forest, Deforestation & Conservation.
CO 4	Mineral & Power Resources- Distribution of Metallic in India, Iron-ore, manganese, Bauxite, copper, Distribution of Non-Metallic Minerals, Indian Mica. limestone Gypsum. Clay& Distribution of [Power Resources. Coal, Minerals& power resources
CO 5	Practical Component- Map filing Avowing geographical features in the Map of India..



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Semester-IV
Course Outcomes

Course Outcome	Subject Name:- Introduction to Indian Agriculture (SYBA)
CO 1	Introduction to Agricultural Geography- Definition, nature and scope of agricultural geography Approaches: regional approach, systematic approach, commodity approach, recent approaches Importance of agriculture in Indian economy Factors influencing agriculture in India India agro - product exporting country
CO 2	Introduction to Indian Agriculture- Salient features of Indian agriculture Types of farming in India Major crops of India Agro-climatic regions of India Problems associated with Indian agriculture (Natural, Socio Economic and Political).
CO 3	Green Revolution in India- Introduction of Green Revolution in India Components of Green Revolution Positive impacts of Green Revolution Negative impacts of Green Revolution Need for sustainable agriculture in India Agriculture in drought prone region and watershed management
CO 4	Recent Trends in Agriculture- White revolution and live stock resources, Genetic engineering, tissue culture and horti culture Playhouse agriculture Agro processing in India Agro-tourism Agroforestry
CO 5	Practical Component- Interpretation/ question- answer on thematic maps related to agriculture of India (NATMO and other) Drawing of statistical Diagrams and Graphs: Simple line graphs, multiple line, simple bar, compound bar and band graph

Semester- IV
Course Outcomes

Course Outcome	SUBJECT NAME-Introduction to Oceanography(S.Y.B.A.)Paper-II
CO 1	Nature of Oceanography – Development of Oceanography, Oceanography : meaning, definition, nature and scope , Branches of oceanography
CO 2	Bottom Relief and Ocean Water- Ocean floor and its characteristics, Composition of ocean water, Factors affecting ocean water temperature
CO3	Movements of Ocean Water – Waves – Formation and types, Tsunami and their effects on coast, Concept and types of Tides
CO 4	Man and Ocean - El- Nino and La- Nina phenomenon, Coral reefs and their importance, Marine Ecosystem Marine pollution
CO 5	Practical Component – Map filling : Related to Oceanography, Reading and Interpretation of navigation charts and bathymetric maps



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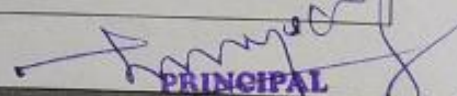
**Semester-V
Course Outcomes**

Course Outcome	Subject Name:-Geography of Settlement-Paper -IV
CO 1	Introduction of Settlement Geography - Settlement Geography: definition nature & Scope , Settlement types: their characteristics and differences, Factors influencing growth and distribution of settlements ,importance of settlement studies in geography.
CO 2	Geography of Rural Settlements -Origin and growth of settlements- evolution of rural settlements, Site and situation of rural settlements, Classification of rural settlements on the basic of population and patterns, Classification of rural settlements on the basic of spacing and functions
CO 3	Rural Settlements in India -Distribution and density of rural settlements in India, Structure of house and building materials in India, Regional variations in rural settlement patterns in India, Morphology of rural settlement.
CO 4	Urban Settlements - Origin and growth of urban settlements, Classification of urban settlements on the basis of culture and functions, Hierarchy of urban Settlement: rank size rule and primate city, Ashok Dutts's model of south Asian city: port city and bazaar city
CO 5	Urban Settlements in India -Urbanisation in India: Trends, patterns and types of towns, Morphology of urban settlements in India (With reference to a port and inland city)Urban problems in India cities ,Smart city: Concept, need and implementation in India.

**Semester-V
Course Outcomes**

Course Outcome	Subject Name:- POPULATION GEOGRAPHY- PAPER-NO.V
CO 1	Introduction to Population Geography - Concept, definition, nature, scope, Evolution and recent trends importance, Basic sources of population data and their important elements, Population geography and other social sciences
CO 2	Population Dynamics -Population growth in the world (continent wise and level of development)Population growth in India, World : Population density and its determinants, Structure of population in developed and developing world (Age and Sex, Rural and Urban)
CO 3	Theories of Population Growth Demographic Transition Model, Maths's Population Theory, Leibestein's motivational theory of population growth, Theory of optimum population




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CO 4	Migration-Definition and Classification of Migration, Causes and Consequences of Migration Recent trend of migration in India, Issues of infiltration and its impact in India
CO 5	Contemporary Issues-Ageing population, Gender issues-declining sex ratio, literacy gap, Poverty and unemployment in India, Rapid urbanization in India



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DEPARTMENT OF HISTORY – (UG)

PROGRAMME-Bachelor of History

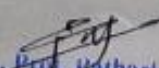
PROGRAMME OUTCOMES OF BACHELOR OF ARTS IN
HISTORY

PROGRAMME: BACHELOR OF ARTS IN HISTORY

PROGRAMME OUTCOMES OF BACHELOR OF ARTS IN HISTORY

PO1	Recognize and assess the historical evolution of different countries, communities, and cultures.
PO2	Apply a scientific, analytical, and rational approach to Indian and international history.
PO3	To prepare students for careers in disciplines such as civil service and education.
PO4	To have a thorough grasp of human civilization's evolution over time, from prehistoric to present times.
PO5	To improve research skills in archaeology, excavation, numismatics, and epigraphy.
PO6	Work in museums, art galleries, historical fiction writing, archaeological surveying, or tourism.




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COURSE OUTCOMES OF BACHELOR OF ARTS IN HISTORY


COURSE OUTCOMES OF BACHELOR OF ARTS IN HISTORY

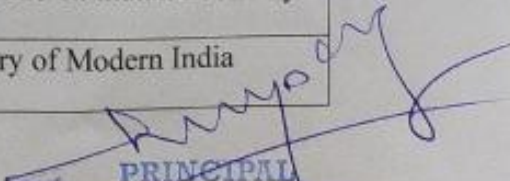
Semester I

Paper I – History of Modern India (1857 C.E- 1947 C.E)	
CO1	The Learners will be able to understand the Modern History with regards to the struggles that their forefathers had undertaken to break the fetters of British Slavery.
CO2	The Learners will get well acquainted with the significant events, Freedom fighters, personas, political movements in the History of Modern India.
CO3	The Learners can envisage the whole process of Freedom struggle and learn from the mistakes in the past
CO4	Learners will acquit an intensive and rare understanding of landmarks events and personality.

Semester II

Paper – History of Modern India	
CO1	To study how the seeds of Nationalism were sown in the Socio-Religious Reform Movements.
CO2	Educational Development has enabled learners today to tests its sweet fruits.
CO3	Learners will comprehend about the impact of the British Rule on Indian Economy.
CO4	To study the development of Subaltern factors in the History of Modern India


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Semester III

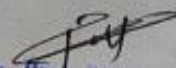
Paper II – Landmarks in World History	
CO1	The Learners will be able to understand the significant historical events of the world.
CO2	The Learners understand how the whole world came out of the medieval dark ages.
CO3	The learners was aware of the Revolutions which gave very important concepts to world.
CO4	To understand the effects of global change on human life.

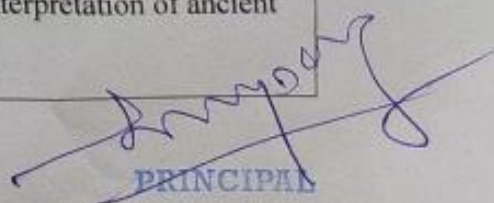
Paper III – Ancient India from Earliest Times to 1000 AD	
CO1	Students will have better understanding of ancient period of Indian history.
CO2	They will be able to trace the continuity and change in historical perspective.
CO3	To understand the spiritual philosophy related to life through the study of ancient India.
CO4	It will induce students to history of India In chronological framework.

Semester IV

Paper II – Landmarks in World History	
CO1	The syllabus will enable the students to critically analysis of totalitarian rules res.
CO2	The learners will understand about global events during two world wars and their impact on the world.
CO3	They understand how arms race poses a threat to word peace and progress.
CO4	Explaining the International Nationalism to students through this course.

Paper III -History of Ancient India	
CO1	The course will enable the students to study the history of ancient India from an analytical perspective.
CO2	It will acquaint the student with various approaches and interpretation of ancient history of India.


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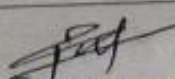
CO3	The learners are made aware of the glorious era in the history of ancient India.
CO4	The learners can be introduced to the art and architecture of south India.

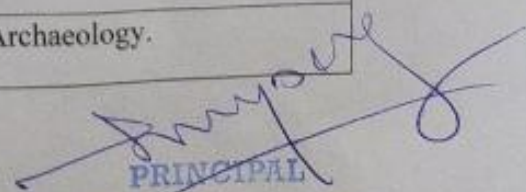
Semester V

Paper IV – History of Medieval India	
CO1	The students will learn the Sultanate rule and the history of Vijaynagar and Bahamani Kingdom.
CO2	Students can study the socio-economic, cultural and political contribution of Medieval India.
CO3	Students will get knowledge about the art and architecture of Medieval India.
CO4	In the curriculum of the Medieval India, students get guidance from within the workings of the rulers.

Paper V – History of Modern Maharashtra	
CO1	Learners will acquaint a deeper and more inclusive understanding of landmarks events, personality.
CO2	To nature of pre-British education can be explained to the students.
CO3	The students can study the movements of the 19th century.
CO4	Political history of Maharashtra can be stressed.

Paper VI – Introduction of Archaeology	
CO1	The learners will acknowledge about Archaeology and its importance in History.
CO2	They will get knowledge about Epigraphy and its correlation with History.
CO3	They will understand importance of Numismatic in reorganization of history.
CO4	They will know opportunities in field of Archaeology.


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Paper VII – History of the Marathas (1630 CE-1707 CE)


CO1	Students will learn significance of regional history.
CO2	It will enhance their perception of 17th century India in context of Maratha history.
CO3	They will know the process of consolidation of Maratha Empire and successor of Shivaji Maharaj.
CO4	Understand how the administrative system of Royal Period is useful in present time.


Paper VIII – History of Contemporary World

CO1	The students will comprehend the important events took place after Second World War period in the world and it's influenced in the present world politics.
CO2	Students will gained knowledge of world events.
CO3	Students will acknowledged about the various movements world History.
CO4	Students will understood the major trends in 20th century.

Paper IX– Research Methodology and Sources of History

CO1	Students will be able to learn methods in research writing and understand the new trends in historical research.
CO2	The students developed a research approach.
CO3	Historical research can help students understand the Authenticity and Credibility.
CO4	Students can study the Sources of History through Indian Historiography.


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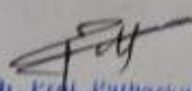

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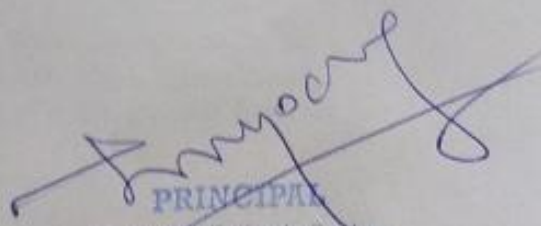
Semester VI

Paper IV – History of Medieval India	
CO1	The students will get knowledge about the political power of Mughal and Maratha.
CO2	They will get knowledge about Administrative systems of Mughals.
CO3	Learner will understood the origin and growth of regional empire.
CO4	To study the impact on Medieval Indian Society and Polity.

Paper V – : History & contemporary India (1947-2000)	
CO1	Students will acquire a deeper and more preclusive understanding of changes, Personality and themes in modern Indian history.
CO2	To explain to the students importance of Foreign Policy for the Development for the Country.
CO3	To Explain to the learners how socio-economic development took place in the History course of Contemporary India.
CO4	Understanding the major trends of Modern India to the Learners.

Paper VI – : Introduction of Muscology and Archival Science	
CO1	The students will get encourage to pursue careers in the field of Museology.
CO2	They will Know Archaeology as well as understand the glorious cultural development, scope and value.
CO3	To understood the historical value of Archival Science.
CO4	They will acknowledge about the new trends of Digitization of Records.


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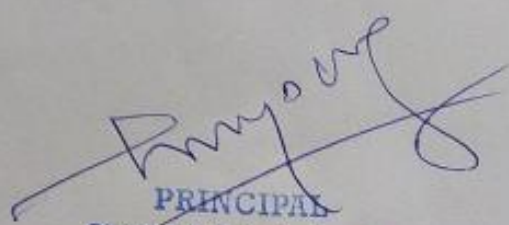

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Paper VII – : History of the Maratha - Peshwa Period (1707CE to 1818 CE)	
CO1	Students will be able to analyze the Marathas polices of expansion and its consequences.
CO2	They will understand the role played by the Marathas in the 18th century India.
CO3	To follow the various personalities of the Peshwa Period.
CO4	Students can study the features of administration of Peshwa Period.

Paper VIII – : History of Asia	
CO1	The students will get knowledge of transformation of china under Mao Zedong and deng Xiaoping.
CO2	They will understand the reconstruction of Japan and major trends that emerge in Asia.

Paper IX – : Research Methodology and Sources of History	
CO1	Students will understanding and aware of historical research.
CO2	Students will understand the importance of Local History in new trend of Historical Research.
CO3	Introduce students to various approaches in Historical research.
CO4	To Understand the elements of Historical Research through research.


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DEPARTMENT OF HISTORY – (PG)

PROGRAMME- Masters of Arts in History


**PROGRAMME OUTCOMES OF MASTERS OF ARTS IN
HISTORY**

I. Program Outcome of Master of Arts


• (M. A.)

Student seeking admissions for M.A. programme are expected to imbue with following quality which helps them in their future life to achieve the expected goals.

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


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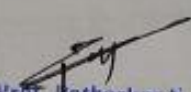



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II. Program Specific Outcomes (PSO's)

• M.A. (HISTORY)

1. Students will be able to think critically and explore new ideas, interpretations about the Historical Sources.
2. Students shall be able to interact with the people staying near historical places.
3. Students shall be able to understand their responsibilities about higher education and inculcating the values, ethics etc. as a responsible citizen.
4. Students are motivated through the inspiration of Historical personalities.


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COURSE OUTCOMES OUT COMES OF MASTER OF HISTORY

M.A PART-I

Sem I

	Course Title: core paper II: social ,Economics and Administrative History of Early India (up to 1000CE)
CO 1	Enable student to understand with the evaluations of social- cultural, religious and political process in the early Indian past on the basic of which the plural Indian society was formed.
CO 2	Understand the Economic, political, cultural transformation in Early India.
CO 3	students know about Religions and political Evolution in Early India
	Course Title: core paper III: Social, Economic and Administrative History of Medieval India(1200 CE-1700 CE)
CO 1	Facilitate student with the evolution of social -cultural, religious and political processes in medieval Indian past and introducing them to important social cultural ideas and institutions.
CO 2	Understand who World war I unforced.
CO 3	related key historical development during medieval period occurring in one



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	place with another
CO 4	Understand the political and cultural transformation in medieval India.
CO 5	knowledge about evolution of institutions concept in medieval India
Course Title: Course Paper II: Social Economics And Administrative History Of Modern India (1757CE To1947ce)	
CO 1	facilitate students with the evaluation of social, cultural, religious and political process in modern India history as well as impact of British rule in india
CO 2	social ,economic and administrative history of modern india, topic as a part of history is a very important section and for as the syllabus of any competitive examination in possible specially civil services exams.
CO 3	students understand of the stages of development in modern india, why certain events happened and analysis of the consequences of such developments that paves and impact on our society, economy and our political system
CO 4	modern india history importance for competitive examinations.
Course Title: Course Paper, History of Marathas (1630 CE TO 1680CE)	
CO 1	To create an understanding of the religion history
CO 2	To Orient student with Maratha history
CO 3	To understand the administration of the Maratha in Royal period
Course Title: Course Paper, Makers of india in tha 20th century	
CO 1	To create awareness about the contribution of the makers of modern

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	India in the nation building
CO 3	The role played by the leaders in bringing about social change
CO 4	To analyse the impact of this leader on modern India and to enable students to understand their legacy times
Course Title: core paper I Research Methods in History	
CO 1	Students know the basic scientific methodology and tenets as implemented in history writing.
CO 2	understand the historical trends in early medieval and modern Europe
CO 3	identify the nature of annals historical approaches including history of mentality and history of everyday life
CO 4	Explain the concept and approaches of post positivism anti-foundationalism and discourse analysis and Foucault concept of history and subaltern approaches to history



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COURSE OUTCOMES

M.A PART- I

Sem II

Course Outcome	COURSE TITLE: contemporary Indian History (1947CE-2000CE)
CO 1	To equip students with main events and processes of post-independence Indian history
CO 2	Understand about contemporary India
	COURSE TITLE:perspective of Ambedkarism
CO 1	To understand the conditions of depressed classes in India and developed our about constitutional safeguard and reservation policy
CO 2	Dr BR Ambedkar view and ideas on social religion and educational issues
	COURSE TITLE: History of the modern world (1757-1960)
CO 1	To equip students with main events and processes of modern world History
CO 2	Oriental students with world History
CO 3	To understand the impact of the world war



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	COURSE TITLE: History of USSR in 20th century
CO 1	to create comprehensive understanding of the political social and economic developments that took place in the Soviet Union during the 20 century
CO 2	to analys the ball shaving revaluation in 1917 the collapse of the Soviet Union in 1991
	COURSE TITLE :Contemporary world History (1945CE-2000CE)
CO 1	To nl about the main development in the contemporary world
CO 2	To create understanding about contemporary world history
CO 3	To evaluate the change after Second world war
	OJT/FP



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COURSE OUTCOMES

M.A PART- II

Sem III

Course Outcome	COURSE TITLE: HISTORY OF INDIAN ARCHOEOLOGY
CO 1	Students will get on overall understanding of the Indian Archaeology
CO 2	They will understand and develop interest of students in numismatics and epigraphy
CO 3	They will have an understanding of the various cultures from prehistorical period
	COURSE TITLE: HISTORY OF BUDDHISM
CO 1	Study the source of Buddhism in order to understand life and teaching of Gautam Buddha.
CO 2	To examine the contribution of King Ashoka and other dynasties in the spread of Buddhism.
CO 3	Understand the impact of Buddhism on society
	COURSE TITLE:DR.B.R. AMBEDKAR AND HIS MOMENT
CO 1	Provide students with an overall view of Dr B.R .Ambedkar and his contribution the growth of social consciousness among the depressed classes



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CO 2	Indian Nationalism and change after conversion to Buddhism among the depress classes.
CO 3	Able to debate on nationalism and freedom movement.
COURSE TITLE: SOCIAL ECONOMIC AND ADMINISTRATIVE HISTORY OF THE MARATHAS (1630CE TO 1818CE)	
CO 1	understand the social and economic life and administrative of the Marathas
CO 2	Indian student with various source of Maratha History
COURSE TITLE: HISTORY OF MODERN EUROPE	
CO 1	Orient the students with political History of modern Europe
CO 2	Understand the economic transaction in Europe during the 18th and 19th century Europe
CO 3	To understand the impact of the world war

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COURSE OUTCOMES

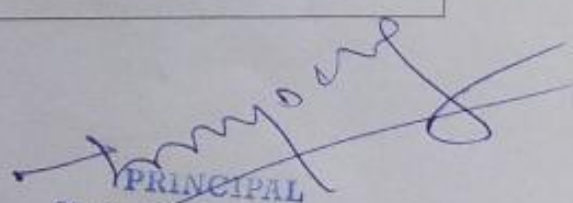
M.A. PART-II

SEM IV

Course Outcome	COURSE TITLE: HISTORY AS INTERDISCIPLINARY SCIENCE
CO 1	Understand the emphasize the relevance of history as an interdisciplinary science
CO 2	To acquaint students about the use of auxiliary and ancillary science in historical research
CO 3	Understand the concepts and theories in Indian history
	COURSE TITLE: MUSEUMS AND HISTORY
CO 1	To enable students to understand the evolution of museums from repositories of arte facts to important cultural institutions and educational centre
CO 2	It aims to provide basic understanding about the functions of museums in today's world with you preparing students for career as Curators and art conservators in museums.
CO 3	To understand the concept museum and history




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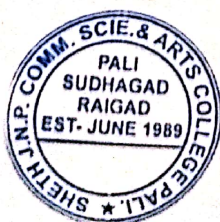
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DEPARTMENT OF ECONOMICS – (UG)

PROGRAMME-BACHELOR OF ARTS IN ECONOMICS

PROGRAMME SPECIFIC OUTCOMES OF BACHELOR OF ARTS IN ECONOMICS

- PSO-1 Students are able to understand the basic concepts of economics
- PSO-2 Students acquired the knowledge of Indian and world economy.
- PSO-3 Students able to analyse microeconomic policies.
- PSO-4 Students must understand the various social and economical problems of Indian economy.




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COURSE OUTCOMES OF BACHELOR OF ARTS IN ECONOMICS

COURSE OUTCOMES

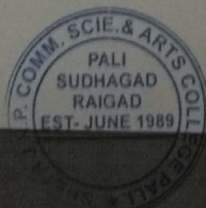
F.Y.B.A/B.Com SEM I

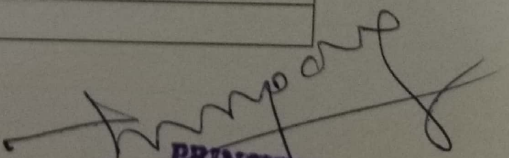
Course Outcome	F.Y.B.A-Micro Economics
CO 1	To know the basic concepts and models of economics
CO 2	Consumer's behavior, demand analysis and demand forecasting
CO 3	Concepts of supply and its theory
	F.Y.B.COM -Business Economics
CO 1	Learn the concepts, tools, techniques and fundamental theories of business economics
CO 2	Understand the Decision Making process and forward planning
CO 3	Study demand and demand forecasting and supply models

COURSE OUTCOMES

F.Y.B.A /B.Com Sem II

Course Outcome	F.Y.B.A -Micro Economics-II
CO 1	Understood the concepts of cost and revenue analysis
CO 2	Know the market structure, price and output determination
CO 3	Learn the production function theory and equilibrium
	F.Y.B.Com -Business Economics-II
CO 1	Understood the concept of factor and product market
CO 2	Know the behavior of firm under different various market structure
CO 3	Study the price and out determination of a firm




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COURSE OUTCOMES

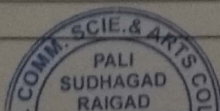
S.Y.B.A/S.Y.B.Com SEM III

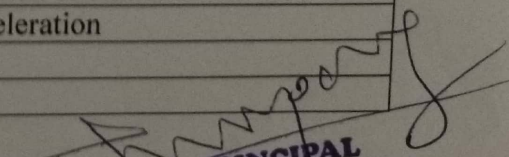
Course Outcome	S.Y.B.A- Public Finance Economics
CO 1	Learned the nature, scope and importance of public finance
CO 2	Know the various theories of public finance
CO 3	Know the sources of revenue of the state and federal government
	S.Y.B.A- Macro Economics
CO 1	Understood the issues of macro economics
CO 2	Obtained knowledge regarding economics decision of consumption & investment
CO 3	Acquired knowledge about monetary and fiscal policy
	S.Y.B.Com- Economics Systems
CO 1	Understood the meaning and functions of economics system
CO 2	Learned the meaning of capitalism & crises and breakdown of capitalism
CO 3	Acquired knowledge about transition in central Eurasia (Russia)
	S.Y.B.Com- Business Economics
CO1	Learned about new economic policy 1991
CO2	Understood trends in agriculture production and productivity also new agriculture policy 2000 and recent policy measures
CO3	Understood the concept and rate of inflation

COURSE OUTCOMES

S.Y.B.A/B.Com SEM IV

Course Outcome	S.Y.B.A- Indian Economics
CO 1	Come out with the Knowledge of Indian economy
CO 2	Study the structure of Indian economy, Agriculture and Industry features
CO 3	Study the poverty, unemployment problem and eradication measures
	S.Y.B.A- Macro Economics
CO 1	Understood the macro approaches to the economy
CO 2	learned Concepts, measurement and difficulties in calculation of National Income
CO 3	Understood the theory of employment, multiplier and acceleration



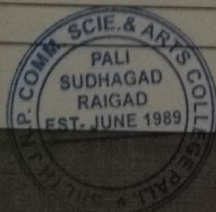

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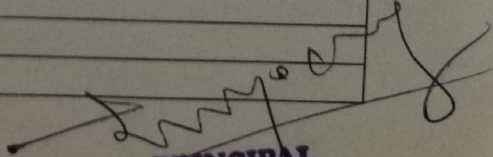
S.Y.B.Com- Economics Systems	
CO 1	Understood the mix economy in India
CO 2	Acquired knowledge about criteria for evaluating performance of economic systems
CO 3	Understood the crises of ecological un-sustainability
S.Y.B.Com – Business Economics	
CO1	Learned industrial development since 1991
CO2	Learned banking in India
CO3	Understood RBI's recent measures of money supply

COURSE OUTCOMES

T.Y.B.A, SEM V

T.Y.B.A – Micro Economics III	
Course outcome	
CO1	Understood the micro approaches to the economy
CO2	Know the market structure, price and output determination
CO3	Factor pricing such as rent, wage, interest and profit
T.Y.B.A. – Research Methodology	
CO1	Learned the scope of research also basic assumptions, types and objectives of research
CO2	Understood the formulation of problem in social science research
CO3	Acquired knowledge about representation and analysis of data
T.Y.B.A. – Economics Of Growth And Development	
CO1	Learned the issues related to growth and development
CO2	Students are able to identify issues in the development process
CO3	Students are able to understand the policy options
T.Y.B.A. – History Of Economics Thoughts	
CO1	Learned thoughts of greatest economists
CO2	Understood the history of economy of country
CO3	The critical thinking of students improved by the setting past and current economic theories in their proper perspective
T.Y.B.A. – Environmental Economics- I	
CO1	Understood the nature, significance and scope of environment and economy
CO2	Understood the design and implementation of environmental policy
CO3	Learned about global environmental issues



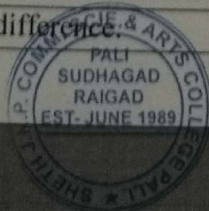

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T.Y.B.A. – Industrial And Labour Economics	
CO1	Understood meaning and scope and problems in industrial economics
CO2	Learned industrial productivity and industrial sickness
CO3	Learned about industrial development in India
T.Y.B.COM. – Business Economics	
CO1	Understood the basic principles in business economics
CO2	Learned about demand and supply analysis
CO3	Understood a market structure

COURSE OUTCOMES

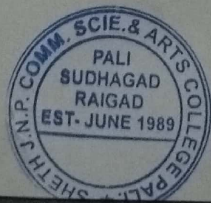
T.Y.B.A, SEM VI

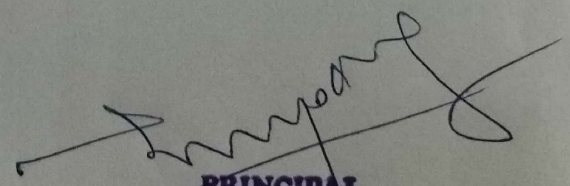
Course outcome	T.Y.B.A – Macro Economics III
CO1	Understood Trade Balance.
CO2	Learned the LM Equation for the open Economy.
CO3	Know the theory of trade cycle in the economy
T.Y.B.A. – Research Methodology	
CO1	Learned the scope of research also basic assumptions, types and objectives of research
CO2	Understood the formulation of problem in social science research
CO3	Acquired knowledge about representation and analysis of data
T.Y.B.A Development theory and experience	
CO1	understood demography concept
CO2	understood economics theory of rural - urban migration
CO3	Understood role of agriculture in economic development.
T.Y.B.A International Trade , Policy And Practice	
CO1	understood Exchange rate system in India
CO2	understood gait, Uruguay round, WTO , WTO agreement
CO3	acquired foreign investment and role of MNCs in India
T.Y.B.A International Economics	
CO1	understood importance of the study of international economics
CO2	Acquired an overview of world trade distinction between domestic
CO3	understood concepts of cost difference.



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T.Y.B.A. – Industrial And Labour Economics	
CO1	Understood meaning and scope and problems in industrial economics
CO2	Learned industrial productivity and industrial sickness
CO3	Learned about industrial development in India
T.Y.B.COM. – Business Economics	
CO1	Understood the basic principles in business economics
CO2	Learned about demand and supply analysis
CO3	Understood a market structure




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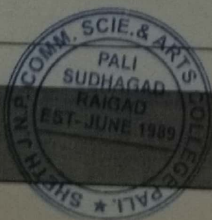
Pali - Sudhagad - Raigad (M. S.) PIN 410205

DEPARTMENT OF CHEMISTRY – (UG)

PROGRAMME : BACHELOR OF SCIENCE IN CHEMISTRY

PROGRAMME OUTCOMES OF BACHELOR OF SCIENCE IN CHEMISTRY

PO-1	Students should acquire scientific attitude, problem solving skill and environmental awareness
PO-2	To develop an ability in the creation of Project plan
PO-3	To understand the basic concepts of Chemistry
PO-4	Students should become expertise in their specific subjects and curriculum
PO-5	Students should be able to develop and design the synthesis of organic and Inorganic compounds
PO-6	Students should be able to understand the concept of thermodynamics, chemical kinetics, Bioinorganic chemistry and electro analytical techniques
PO-7	To understand the various experimental methods of chemical analysis by performing practicals in the laboratory.
PO-8	To find the employment in the respective industry and government sector.



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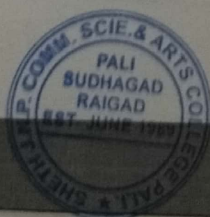


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COURSE OUTCOMES OF BACHLEOR OF SCIENCE IN CHEMISTRY

Semester I

Course Outcome	Chemistry Paper I
1	To Know the ideas of de-Broglie and Heisenberg Uncertainty principle
2	To understand the various types of quantum numbers and principle of extra stability
3	To understand the electronic displacement and concept of organic reaction
4	To Understand the concept Chemical Thermodynamics
5	To understand the long form of the periodic table, interpretation of the periodic table
6	To know about the classification and Nomenclature of Organic Compounds
7	To understand the fundamentals of organic reactions.
Course Outcomes	Chemistry Paper II
1	To understand the basic concept of Chemical kinetics
2	To understand the basic concept of main group elements
3	To understand the basic concept of stereochemistry
4	To understand the concept of surface tension and methods of determination of surface tension
5	To knows about the concept of viscosity and determination of viscosity by viscometer
6	To knows about the basic concept of geometrical and optical isomerism

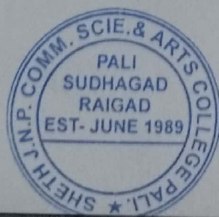


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Semester II

Chemistry Paper I

1	To know about the concept of kinetic theory of gases and gaseous state of matter
2	To know the concept of Chemical equilibrium and thermodynamic parameters and laws of thermodynamics.
3	To understand the Concept of Qualitative Analysis
4	To understand the basic concept of acid base theory
5	To understand organic reactions like Fridel & Craft reaction
6	To understand the basic concept of chemistry of aliphatic hydrocarbons
Chemistry Paper II	
1	To knows about the concept of Ionic equilibrium in chemical reactions.
2	To understand the concept of Molecular spectroscopy
3	To understand the concept of solid state chemistry and laws of Crystallography
4	To know the concept of electromagnetic radiation, Planck's quantum theory
5	To understand the Beer's & Lamberts law
Chemistry Practical's	
1	To perform the experiments on Physical chemistry like the standardization of NaOH, demine the rate constant of acid hydrolysis of methyl acetate ester.
2	To perform the experiments on commercial analysis of mineral acids , organic acids and salt of weak acid and strong base
3	To perform the experiments on gravimetric analysis
4	To purify the organic compounds by crystallization process
5	To perform the experiments on paper chromatography
6	To separate the mixture of Ortho and Para nitro phenols by thin layer chromatography



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Semester III

Course Outcome	Chemistry Paper I
1	To understand the concept of Chemical Thermodynamics & Electrochemistry
2	To understand the nature of bond in various compounds and to interpret the structure
3	To understand the reaction mechanism in various organic compounds.
4	To Understand the concept of reactions and reactivity of halogenated hydrocarbons, alcohols, phenols and epoxides
5	To make the learner capable of solving problems in the various units of this course
Course Outcomes	Chemistry Paper II
1	To understand the basic concept of Chemical kinetics
2	To understand the basic concept of main group elements
3	To understand the basic concept of stereochemistry
4	To understand the concept of surface tension and methods of determination of surface tension
5	To knows about the concept of viscosity and determination of viscosity by viscometer
6	To knows about the basic concept of geometrical and optical isomerism
Course Outcomes	Chemistry Paper III
1	Students are able to understand the basics of analytical chemistry in non-chemistry fields like pharmacy.
2	Students should able to understand method of analysis of substance, procedure for analysis
3	Students should understand errors and sources of errors in chemical analysis.
4	Understand the concept of sampling.
5	Students should be able to identify sources of possible errors in the results obtained.



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Semester IV

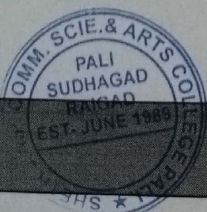
Course Outcomes	Chemistry Paper I
1	Students will be able to understand basic knowledge of Electrochemistry.
2	Students will be able to understand the concept of vapour pressure and equations associated with it.
3	Students will be able to identify & classify all periodic properties of transition metals
4	Students will be able to understand Application of coordination compounds.
	Students will be able to identify, formulate And Solve carboxylic acid reactions.
Course Outcomes	Chemistry Paper II
1	To understand the laws of Crystallography
2	To know about the importance of catalyst in chemistry
3	To understand about the environmental aspects of oxy acids of N & P
4	To know the importance of nitrogen containing & heterocyclic compounds.
	Chemistry Paper III
1	Understand Basics of Chemical analysis, Separating components of given sample
2	To understand basic concepts like pH different experimental techniques and different ways to analyse the samples.
3	Understand Statistical Treatment of analytical data --II.
4	To know the various Instrumental Methods and select a method of separation of an analyte from the matrix.
5	To study the effect of various parameters on solvent extraction of a solute



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Semester V

Course Outcomes	Physical Chemistry USCH 501
1	Students will be able to understand the concept of Molecular spectroscopy
2	Students will be able to understand the concept of Chemical Thermodynamics
3	Students will be able to understand the concept of Chemical Kinetics
4	Students will be able understand the importance of Nuclear chemistry
5	Students will be able understand the concept of Adsorption, Adsorption isotherm and colloidal state of matter.
Course Outcomes	Inorganic Chemistry USCH 502
1	Students will be know about the concept of Molecular symmetry and Chemical bonding
2	Students will be know about the structure of solid and calculation of APF in various arrangement of solids.
3	Students will be understand the importance of Inner transition elements, their separation and applications.
4	Students will be able know about the concept of non aqueous solvents and chemistry of group 17 elements.
Organic Chemistry USCH503	
1	Students are able to understand synthesis and mechanisms of organic reactions
2	Students able to understand photochemical phenomenon occur in organic compounds.
3	Students are able to understand IUPAC nomenclature of organic compounds
4	Students are able to understand the use of UV-visible and mass spectrometry in structure determination.
5	Students able to understand chemistry of natural products
Analytical Chemistry US CH 504	
1	The students learn about understand the concept of errors, measures of central tendency and dispersion. Sampling techniques. Sampling of gases, solids and liquids.
2	To learn the calculations for construction of acid-base titration curve as pH with volume of titrant added. Understand the theory of precipitation titration, especially argentometric titration, their types ad indicators used for the titrations. Know about the instrumentation of photometers and spectrophotometers, qualitative and quantitative analysis
3	Learn the calculations of extraction efficiency, ways to enhance the separation efficiency and different types of solvent extraction. Introduction and classification of chromatographic techniques Principle, techniques and applications of paper and thin layer chromatography.

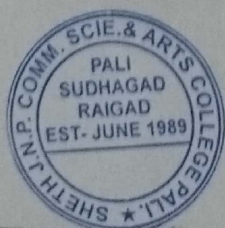


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4	Students learn about: Atomic spectroscopy including basic principle of Flame emission spectroscopy and atomic absorption spectroscopy, instrumentation, qualitative and quantitative analysis and applications. Molecular Fluorescence and Phosphorescence Spectroscopy Theory, Instrumentation and applications Turbidimetry and Nephelometry: Basic principle instrumentation and application.
Course outcomes	Applied Component (Drugs and Dyes) USDD01
1	They will come to know the Health and Environmental Hazards of Synthetic Dyes and their Remediation Processes.
2	Effluent Treatment Strategies, Non-textile uses of dyes, Dyes used in food and cosmetics,
3	Students will study different types and applications of Paper and leather dyes, Miscellaneous dyes, pigments

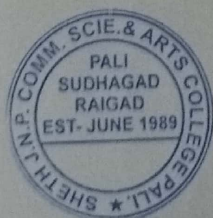
Semester VI

Course Outcomes	Physical Chemistry USCH 601
1	They will understand the concept of electrochemistry and electrochemical cells.
2	Understand types of polymers and different applications of polymers in different area.
3	Students will able to know about the basic concept of Quantum mechanics and renewable energy sources.
4	Students will able to the concept of NMR and ESR spectroscopy and its application in structural elucidation of organic compounds.
Course Outcomes	Inorganic Chemistry USCH 602
1	Students will be able to understand the concept of bonding and theories of bonding in coordination compounds.
2	To understand the concept of stability, electronic spectra, reactivity and molecular orbital theory of complexes.
3	Students will be able to understand the classification, synthesis, reactivity, structure and bonding of organometallic compounds.
4	Students will be able to know about the concept of metallurgy, chemistry of group 18 elements and bioinorganic chemistry.



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Organic Chemistry USCH 603	
Course Outcomes	
1	Students will understand structure of the organic compound from spectral data
2	They will be able to understand various organic reactions from reagents and catalysts
3	Structures and uses Polymers and Nucleic acids
Analytical Chemistry USCH 604	
Course Outcomes	
1	The students learn about DC polarography including basic principle and the concepts involves in it. Instrumentation, qualitative and quantitative analysis and applications. Aerometric titrations: Basic principle, instrumentation, various titration curves with example, advantages and applications.
2	Students get basic understanding of Gas chromatography, High performance liquid chromatography and Ion exchange chromatography including of each the basic principle, special features regarding theoretical part, instrumentation and applications.
3	Students add to their knowledge about treatment of data as regards distribution of random errors presented as Gaussian distribution curve, Confidence limit and confidence interval, criterion of rejection of results, testing of significance, graphical representation of results. Complex metric titrations: Specially EDTA titrations including theory of titration curves, metallochromatic indicators, methods to increase selectivity and applications. Redox titrations : Using example of Fe(II) titrations, calculation of potentiometric titration curve for one electron and multi-electron system, redox indicators
4	Students are introduced to the concept of TQM, ISO series and Good laboratory practices. Mass spectrometry: concept and introduction of components. Radio-analytical techniques : Classification, introduction to NAA and its application
Applied component : Drugs & Dyes USCHDD06	
Course Outcomes	
1	They will come to know the Health and Environmental Hazards of Synthetic Dyes and their Remediation Processes.
2	Effluent Treatment Strategies, Non-textile uses of dyes, Dyes used in food and cosmetics
3	Students will study different types and applications of Paper and leather dyes, Miscellaneous dyes, pigments.

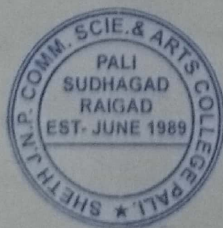


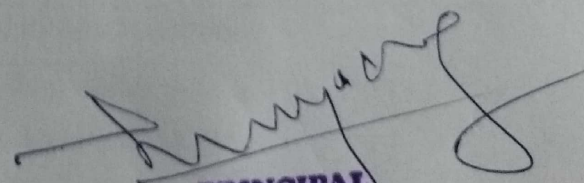
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Programme Specific Outcomes (PSO)

Department of Chemistry

- PSO-1** To analyse the result of Chemical experiments and use instruments like pH meter, Conduct meter, Potentiometer and visible spectrophotometer in chemical analysis.
- PSO-2** To learn the techniques of methods of separation like Ion exchange chromatography, steam distillation and gravimetric analysis
- PSO-3** To understand the applications of micro scale techniques in Qualitative analysis.
- PSO-4** To understand the synthesis of organic and Inorganic compounds.
- PSO-5** To understand the concept of stereochemistry, spectroscopy and reaction mechanism
- PSO-6** Student will learn the usage of analytical instruments, select, and apply appropriate techniques and resources for the analysis.
- PSO-7** Learners will acquire the recent techniques in chemistry.
- PSO-8** Students becomes careful about handling of hazardous chemicals and able to perform work with industrial work with responsibility and safety.




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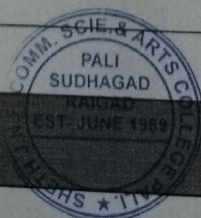
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DEPARTMENT OF CHEMISTRY – (PG)

PROGRAMME-MASTER OF CHEMISTRY IN ORGANIC CHEMISTRY

PROGRAMME OUTCOMES OF MASTER OF CHEMISTRY IN ORGANIC CHEMISTRY

PO-1	Gains complete knowledge about all opportunities fundamental aspects of all the branches of chemistry
PO-2	Learn about the possible uses of analytical industrial chemistry, medicinal chemistry and green chemistry.
PO-3	Understands the background of organic reaction mechanisms. Chemical structures, quantum chemistry, molecular spectroscopy, structure elucidation of organic molecules, chemical analysis.
PO-4	Work efficiently and safely in a laboratory atmosphere
PO-5	Use of advanced spectroscopic tools in chemical science
PO-6	Advanced functional materials, its characterization and applications
PO-7	Designing of targeted molecules and its synthesis followed by characterization.
PO-8	Catalysis and its direct industrial application .
PO-9	Basic understanding in the major area(s) of research and acquire basic tools needed to carry out minor research projects.
PO-10	The ability to implement chemistry in thinking and analytical reasoning in designing problems in research
PO-11	Knowledge of for safe handling of chemicals in research and applied chemical laboratory integral activity an of social, economic and environmental problems.
PO-12	Knowledge in bioorganic and bioinorganic chemistry
PO-13	Designing of targeted molecules and its synthesis followed by characterization.
PO-14	Knowledge of the concepts through theoretical understanding of the principles of chemistry. Topics like stereochemistry, quantum, symmetry from analytical, organic, inorganic and physical chemistry.



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(Commerce,Arst & Science)
Department Of Chemistry

M.Sc. Part-I Chemistry NEP-2020

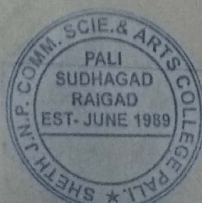
Semester I

PROGRAMME SPECIFIC OUTCOME (PSOs)

- PSOs 1:** Gain knowledge of the advanced concepts in the branch of chemistry, identify and accomplish a solution to problems encountered in the field of research and analysis.
- PSOs 2:** Apply the basic knowledge of chemistry to perform various tasks assigned to them at the workplace in industry and academia to meet the global standards.
- PSOs3:** Deduce qualitative and quantitative information of chemical compounds using advanced spectroscopic methods which can further be analysed using practical skills inculcated in them during the course.
- PSOs4:** Imbibe the attitude as well as aptitude of a scientific approach along with analytical reasoning with respect to the novel techniques actually implemented in the industry.
- PSOs5:** Use the subject knowledge, communication and ICT skills to become an effective team leader/team member in the interdisciplinary fields.
- PSOs6:** Understand, Manage and contribute to solve basic societal issues and environmental concerns ethically based on principles of scientific knowledge gained.
- PSOs 7.** Exhibit professional work ethics and norms of scientific development.

Course Outcomes: Physical Chemistry-I

- CO1:** The learners will apply the advanced thermodynamics, Maxwell equation and its applications to ideal gasses.
- CO2.** The learners evaluate the different theories of chemical kinetics and effect of temperature on reaction rates.
- CO3.** The learners will implement the applications of chemical thermodynamics to real gasses, solutions, surfaces and their energetics.
- CO4.** The learners will understand the applications of operators and Schrodinger equation in the field of quantum Chemistry.
- CO5.** The learners will evaluate the resting membrane potential by using the concept of bio electrochemistry.



CO6. The learners will try to accomplish a solution to problems encountered in the field of research.

Course Outcomes: - Inorganic Chemistry-I

CO1. The learner will gain an understanding of various mechanisms involved in inorganic chemical reaction.

CO2. The learner will acquire knowledge about the various aspects of organometallic compounds.

CO3. The learner will gain understanding of various weak intermolecular forces and wavefunction representation of different hybridization.

CO4. The learner will know the important fundamental concept of chemical reactivity of different entities.

Course Outcomes: -Organic Chemistry-I

After completing the course students will be able to:

CO1. predict the reactivity of organic compound from its structure.

CO2. understand different methods used for determination of Organic Reaction Mechanism

CO3. understand the fundamental concept in stereochemistry by applying various symmetry elements of organic molecule.

CO4. Acquire the knowledge of chirality by taking examples of symmetrical and unsymmetrical molecule.

Develop interest in stereochemistry by studying stereochemical features of different classes of organic compounds.

CO6. Understand Organic spectroscopy by problem solving approach for different class of organic compound.

Course Outcomes: Analytical Chemistry-I

After completion of this Course, the learner will be able to:

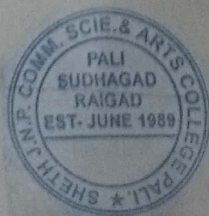
CO1. Understand various terms used in analytical chemistry.

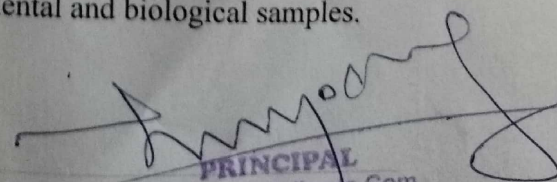
CO2. Students will be able to classify the analytical methods; select a method for analysis based on performance.

CO3. Learn the details of atomic absorption spectrometry and its applications to biological and environmental samples.

CO4. To learn the applications of UV-Visible spectroscopy for the quantitative determination of trace metals in food, blood and urine samples.

CO5. In AES, construction and working of plasma sources and their applications in geological, metallurgical, food, agricultural, environmental and biological samples.




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CO6. In IR, the concept of Fourier Transform spectroscopy, various instrumentation like dispersive, non-dispersive and FT-types of instruments and their uses in the detection of CO and CO₂ in the atmosphere.

CO7. Also, the practical and theory needs to know to the students about the principle and working of Gas Chromatography and High-Performance Liquid Chromatography techniques including discussion on carrier gas/liquid supply, sample introduction on-column and injection techniques; analytical columns; detectors, mode of separation and applications in various fields with examples.

Course Outcomes: Chemistry Practical-I

CO1. To usage of subject fundamentals-principles with practical knowledge to design experiments, analyse and interpret data so as to reach to proper conclusions.

CO2. Learner will train the handling of equipment's like potentiometer, conductivity meter, colorimeter and spectrophotometer.

CO3. Learner will develop scientific temper and research-based skills accomplish to encountered in the field of research.

CO4. Apply the knowledge of quantitative analysis for the determination of metals from ores/alloys.

CO5. Able to understand the analysis of various commercial inorganic compounds.

Inorganic Chemistry

CO1. The learner will learn to synthesize different coordination compounds.

CO2. The learner will gain knowledge and hands on experience of different analytical methods to characterize the synthesized coordination compounds.

Course Outcomes: - Research Methodology

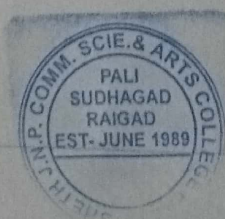
Course Learning Outcomes.

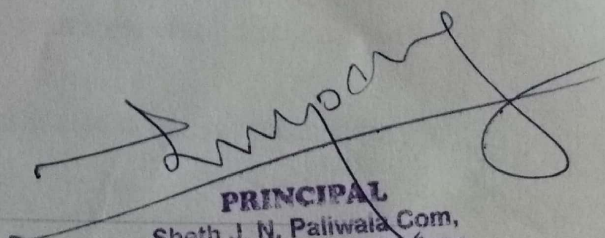
CO1. To create awareness and understanding the terms like intellectual property, patents, copyright, industrial designs, trademarks, geographical indications etc.

CO2. To know trade secrets, IP infringement issues, economic value of intellectual property and study of various related international agreements.

CO3. To explore cheminformatics to facilitate molecular modelling and structure elucidations.

CO4. To apply the knowledge gained about various chemistry principles, techniques and tools in drug designing, target identification and validation, lead finding and optimization.




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Semester II

PHYSICAL CHEMISTRY-II

Course outcomes: -

- CO1. To learn the concept of quantum chemistry and able to solve problems related to 1D box, 2D box, 3D boxes and to explain the role of operators in quantum chemistry.
- CO2. To understand the use of Schrodinger wave equation in one and two electron systems along with applications of HMO.
- CO3. To develop the skill to solve the problems based on chemical thermodynamics, molecular dynamics and quantum Chemistry.
- CO4. To apply the concept of Jablonski mechanism in photochemical reactions.
- CO5. Learners will get knowledge of advanced chemical kinetics and molecular dynamics.

Inorganic Chemistry-II

Course outcomes: -

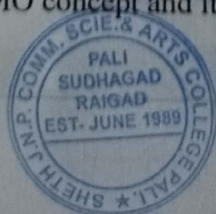
- CO1. The learner will gain understanding regarding the different crystal structures. They will also gain knowledge about the various aspects of nanoscience and nanotechnology.
- CO2. The learner will be able to correlate the structure, symmetry and properties interrelationship of different molecules.
- CO3. The learners will get awareness about the effect of toxic chemicals and radiations on our environment.
- CO4. The learners will understand the role of different metallic compounds in various biological processes and applications.

Organic Chemistry-II

Course outcomes: -

After completing the course students will be able to:

- CO1. Recognize the type of mechanism & intermediates involved in the given organic reaction and to prove mechanism for the reaction.
- CO2. Identify the ways to modify aliphatic and aromatic compounds via Nucleophilic and Electrophilic substitution reactions.
- CO3. Predict the mechanism and stereochemistry of important organic reactions.
- CO4. Understand and write the mechanism of rearrangement reactions with stereochemistry and its applications.
- CO5. Understand the HOMO-LUMO concept and its significance in organic chemistry.



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CO6. To understand and recognize use of reagents in various functional group modifications.

Analytical Chemistry-II

Course outcomes: -

After completion of this Course, the learner will be

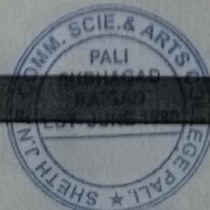
- CO1. able to learn the tool for quantitative analysis of analytes using solid state, precipitate and liquid-liquid membrane, enzyme and gas sensing electrodes with applications.
- CO2. able to know the basic concepts of modern voltammetric techniques with electrochemical properties of compounds and systems, and also the theory of thermodynamics and kinetics of electrochemistry.
- CO3. The advantages and disadvantages of voltammetric techniques like DPP, CV and Stripping voltammetry of analysis.
- CO4. Students are expected to learn the basic concepts and instrumentation of ^1H , ^{13}C , ^{19}F , and ^{31}P NMR and Mass Spectrometry.
- CO5. Also, the applications of such analytical techniques in various fields like pharma, medical, academia and research.
- CO6. Able to learn about the basic concept of XRA, XRF and XRD techniques and its applications in the various fields.
- CO7. Able to understand the automation processes in analytical instrumentation and some hyphenated techniques in detail like GC-MS and LC-MS.

On Job Training/ Field Projects

Course Outcomes:

At the end of the Course,

- CO1. Understand the Organizational Structure of a company.
- CO2. Develop work habits and attitudes necessary for job success (technical competence, professional attitude, organization skills etc.)
- CO3. Develop written communication and technical report writing skills.



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PROGRAM SPECIFIC OUTCOME

- After completion Programme the candidate will be Global level research opportunities to PhD Programme, targeted pursue approach of CSIR NET examination,
- Enormous job opportunities at all level of chemical pharmaceutical food products life oriented material industries.
- Specific placements in R & D and synthetic division of polymer industries & Allied Division.
- Discipline specific competitive exams conducted by service commission.
- Aptitude and skills necessary to pursue research as a career
- Opportunities to get jobs in central and state government organizations like IISC, IIT, NCL, ONGC, ISRO FSL etc.
- Skills necessary to be employed in the various sectors like chemical, pharmaceutical, food and materials industries.

COURSE OUTCOMES

MSc PART- II

Sem III

Course Outcome	Theoretical organic chemistry-I
CO 1	The students learn about different types of reaction like Organic photochemistry, Basic principles, Jablonski diagram, isomerization, remote functionalization, extrusion reaction, pericyclic reaction, electro cyclic reactions, cycloadditions, sigma tropic rearrangements, carbene addition, cheletropic reactions
CO 2	The students learn about different types of reaction of Organic photochemistry, Basic principles, Jablonski diagram, isomerization, remote functionalization, extrusion reaction, pericyclic reaction, electro cyclic reactions, cycloadditions, sigma tropic rearrangements, carbene addition, cheletropic reactions and Introduction to photochemistry and utilization of photon as a source of energy in organic transformations.
CO 3	Separation of a ternary mixture of organic compounds and identification including derivative preparations using micro-scale.
Synthetic Organic Chemistry-I	
CO 1	The students learn about Radical reaction, detection of radical pathways, common organic named reactions, advanced reagents and their applications in chemo, regio and stereo-selective transformations
CO 2	The students learn about different types of reaction of olefination and its modification, Seyferth-Gilbert homologation, Steven's rearrangement.
CO 3	The students learn about Separation of a ternary mixture of organic compounds and identification including derivative preparations using micro-scale.
Natural products and Spectroscopy	
CO 1	The students learn about Natural products like carbohydrates, natural pigment, insect pheromone, multistep synthesis of natural pigment, advanced spectroscopic techniques
CO 2	Single step organic Preparation (1.0 g scale) involving purification by Steam distillation / Vacuum distillation or Column chromatography.
CO 3	The students learn about (i) the planning of synthesis, effect of reaction parameters including stoichiometry, and safety aspects including
Medicinal , Biogenesis and green chemistry	
CO 1	The students learn about drug discovery, design and development .green Chemistry.
CO 2	Single step organic Preparation (1.0 g scale) involving purification by Steam distillation / Vacuum distillation or Column chromatography. Students are expected to know (i) the planning of synthesis, effect of reaction parameters including stoichiometry, and safety aspects including
CO 3	The students learn about (i) the planning of synthesis, effect of reaction parameters including stoichiometry, and safety aspects including

COURSE OUTCOMES

M.Sc. PART- II

Sem-IV

Course Outcome	Theoretical organic chemistry-II
CO 1	The students learn about physical organic chemistry, supramolecular chemistry, asymmetric synthesis.
CO 2	The students learn about the planning of synthesis, effect of reaction parameters including stoichiometry, and safety aspects including MSDS (ii) the possible mechanism, expected spectral data (IR and NMR) of the starting material and final product.
	Synthetic Organic Chemistry-II
CO 1	The students learn about designing organic synthesis, electro organic chemistry, transition metal in organic chemistry.
CO 2	The students learn to purify the product by recrystallization, measure its mass or volume, check the purity by TLC, determine physical constant and calculate percentage yield.
	Natural products and heterocyclic chemistry
CO 1	The students learn about Steroids, Vitamins, Antibiotics Heterocyclic compounds.
CO 2	The students learn about Combined spectral identification: Interpretation of spectral evaluation.
CO 3	The students learn about data of organic compounds (UV, IR, PMR, CMR and Mass spectra).
	RESEARCH METHODOLOGY
CO 1	The students learn about Primary, Secondary and Tertiary sources Journals, Information Technology and Library Resources DATA ANALYSIS , Writing Scientific Papers , CHEMICAL SAFETY & ETHICAL HANDLING OF CHEMICALS
CO 2	The students learn about Interpretation of Project evaluation:

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PROGRAMME:- Bachelor of Science In Physics

PROGRAMME OUTCOMES OF BACHELOR OF SCIENCE IN PHYSICS

	Program Outcomes
PO 1	Critical Thinking: The curriculum made for the betterment of the students; enhance the ability and thinking power of the students.
PO 2	Effective Communication: The complete medium of program is learning in English so students will communicate well in the English. There is Short term course soft skill development for F.Y. B.Sc. Students. Which helps in effective Communication
PO 3.	Social Interaction: Due to continuous interaction with students in terms of various programme run by department i.e. Curiosity Thirsty for Knowledge programme, Celebration of 'Birth Day' of Teaching Staff and Students, Extension activity, "Cyber Security Awareness Programme". Helps to increase Social Interaction
PO 4.	Effective Citizenship: Being the students of Physics they have to communicate with people, They have developed skills in Interactions among themselves in PPT Competition under curiosity programme
PO 5.	Ethics: The subject teaches students about the ethical approach, not to waste electricity..
PO 6	Environment and Sustainability: Conservation practices are studied for sustainable development

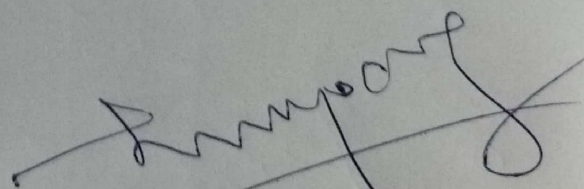


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Specific Programmed Outcome

	Specific Program Outcomes
PSO 1	Students are expected to acquire a core knowledge in physics, including the major premises of classical mechanics, quantum mechanics, electromagnetic theory, electronics, optics, special theory of relativity and modern physics.
PSO 2	Students are also expected to develop written and oral communication skills in communicating physics-related topics.
PSO 4	Students will develop the proficiency in the acquisition of data using a variety of laboratory instruments and in the analysis and interpretation of such data.
PSO5	Students will learn the applications of numerical techniques for modelling physical systems for which analytical methods are inappropriate or of limited utility.
PSO 6	Apply conceptual understanding of the physics to general real-world situations.
PSO 7	Describe the methodology of science and the relationship between observation and theory.
PSO 8	Learn to minimize contributing variables and recognize the limitations of Equipment.
PSO 9	Discover of physics concepts in other disciplines such as mathematics, computer science, engineering, and chemistry.
PSO 10	Develop the following experimental tools: Numerically model simple physical systems using Euler's method, curve fitting, and error analysis.
PSO 11	Analyse physical problems and develop correct solutions using natural laws and Principles of Physics

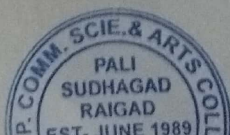



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Semester-I
Course Outcomes

Course Outcome	Classical Physics
CO 1	Understand Newton's laws and apply them in calculations of the motion of simple systems
CO 2	Use the free body diagrams to analyze the forces on the object.
CO 3	Understand the concepts of friction and the concepts of elasticity, fluid mechanics and be able to perform calculations using them.
CO 4	Understand the concepts of lens system and interference
CO 5	Apply the laws of thermodynamics to formulate the relations necessary to analyze a thermodynamic process
CO 6	Demonstrate quantitative problem solving skills in all the topics covered.

Course Outcome	Modern Physics
CO 1	Understand nuclear properties and nuclear behavior
CO 2	Understand the type isotopes and their applications
CO 3	Demonstrate and understand the quantum mechanical concepts
CO 4	Demonstrate quantitative problem solving skills in all the topics covered



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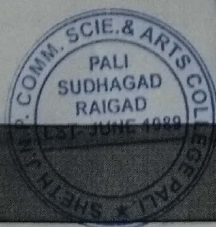
Semester-II

Course Outcome	Mathematical Physics
CO 1	Understand the basic mathematical concept sand applications of them in physical situations
CO 2	Demonstrate quantitative problem solving skills in all the topics covered

Course Outcome	Electricity and Electronics
CO 1	Understand the alternating current theory, Ac bridges & circuit theorem
CO 2	Understand Digital electronics, DC power supply
CO 3	Understand static electric and magnetic fields.

Semester -III

Course Outcome	Mechanics and Thermodynamics (Paper I)
CO 1	Understand the concepts of mechanics & properties of matter & to apply them to problems.
CO 2	Comprehend the basic concepts of thermodynamics & its applications in physical situation.
CO 3	Learn about situations in low temperature.
CO4	Demonstrate tentative problem solving skills in all above areas.



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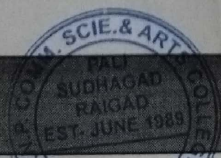
Course Outcome	Vector calculus, Analog Electronics (Paper II)
CO 1	Understand the basic concepts of mathematical physics and their applications in physical situations.
CO 2	Understand the basic laws of electrodynamics and be able to perform calculations using them.
CO 3	Understand the basics of transistor biasing, operational amplifiers, their applications.
CO4	Understand the basic concepts of oscillators and be able to perform calculations using them.
CO5	Demonstrate quantitative problem solving skill in all the topics covered.

Course Outcome	Applied Physics– I (Paper III)
CO 1	Appreciate the role of Physics in 'interdisciplinary are as related to materials, Bio-Physics, Acoustics etc.
CO 2	Understand the scope of the subject in Industry & Research

Semester IV

Course Outcome	Optics and Digital Electronics
CO 1	Understand the diffraction and polarization processes and applications of them in physical situations.
CO 2	Understand the working of digital circuits
CO 3	Use IC 555 time for various timing applications. Demonstrate quantitative problem solving skills in all the topics covered.

Course Outcome	Quantum Physics
CO 1	Understand the postulates of quantum mechanics and to understand its importance in explaining significant phenomena in Physics.
CO 2	Demonstrate quantitative e problem solving skills in all the topics covered.



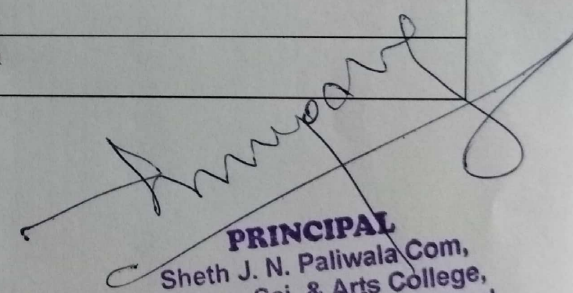
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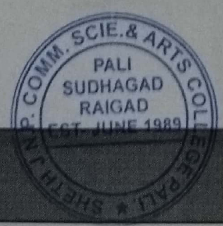
Course Outcome	Applied Physics- II
CO 1	Understand the concepts of geophysics.
CO 2	Understand 8085 microprocessor, basic assembly language programming, instruction set of 8085 microprocessor
CO 3	Write programs for 8085 microprocessor
CO 4	Understand the concept of radiation, its types and the concept of radio communication

**Practical Course
Semester I, II, III, IV**

Practical Course

Course Outcome	Practical Course
CO 1	To understand and practice the skills while doing physics practical
CO 2	To understand the use of apparatus and their use without fear
CO 3	To correlate their physics theory concepts through practical
CO 4	Understand the concepts of errors and their estimation


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PROGRAMME:- BACHELOR OF SCIENCE IN BOTANY

PROGRAMME OUTCOMES OF BACHELOR OF SCIENCE IN BOTANY

Sem-I -Program Outcomes

Program Outcome	PLANT DIVERSITY-I
PO1	Ability to recognize major groups of non-vascular and vascular plants
PO2	To understanding of the economic importance of algae.

Sem-I -Course Outcome

Course Outcome	PLANT DIVERSITY-I
CO1	To get knowledge about the plant diversity with respect to non flowering plants.
CO2	To apply the knowledge for economic use.

Sem I - Specific Program Outcome

Specific Program Outcome	PLANT DIVERSITY-I
SPO 1	To understand the representative forms in algae, fungi, bryo, etc.
SPO2	To understand the basic concept of plant diversity.



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Sem I –Program Outcomes

Program Outcome	FORM AND FUNCTION –I
PO1	Gain knowledge of physiological processes and adaptations of plants.
PO2	Ability to understand environmental factors, natural resources their importance in sustainable development.

Sem I- Course Outcomes

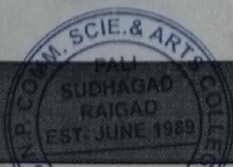
Course Outcome	FORM AND FUNCTION -I
CO1	To get the knowledge about plant body functioning through various cell organelles.
CO2	To get knowledge of Mendelian and post Mendelian genetics.

Sem I – Specific Program Outcome

Specific Program Outcome	FORM AND FUNCTION -I
SPO 1	To understand the basic concept of cell biology, ecology, and genetics .
SPO2	The learners To understand the applications of botany in various fields.

Sem II -Program Outcomes

Program Outcome	PLANT DIVERSITY-II
PO1	Acquire knowledge of morphological peculiarities of plant parts. Details as well as economic importance of plants.
PO2	To understand morphological and reproductive structures of plant families



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Sem II -Course Outcomes

Course Outcome	PLANT DIVERSITY-II
CO1	To get knowledge about the plant diversity with respect to vascular plants.
CO2	To get knowledge about leaf and inflorescence diversity.

Sem II – Specific Program Outcomes

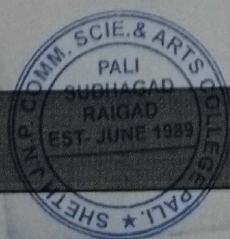
Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To understand the representative forms in pteridophyta, gymnosperm, and angiosperms.
SPO2	To gain knowledge about economic importance of plants.

Sem II –Program Outcomes

Program Outcome	FORM AND FUNCTION -II
PO1	To aquair knowledge of tissue system of plants.
PO2	To understand the knowledge of physiological processes in plants.
PO3	To aquair knowledge of use of medicinal plants

Sem II –Course Outcomes

Course Outcome	FORM AND FUNCTION- II
CO1	To get the knowledge about primary structures of plant organs.
CO2	To get knowledge of photosynthesis.



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CO3	To get knowledge of different metabolites and plants used in medicines.
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Sem II –Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To understand the concepts of anatomy, physiology, etc.
SPO2	To gain knowledge about the medicinal uses of plants.

Sem III –Program Outcomes

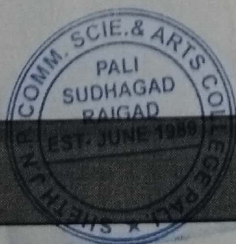
Program Outcome	PLANT DIVERSITY -I
PO1	To get knowledge about the plant diversity and variation.
PO2	To get the knowledge of various techniques used to study plant diversity, preservation of plants.

Sem III –Course Outcomes

Course Outcome	PLANT DIVERSITY -I
CO1	To understand the salient features of algae, their life cycle patterns.
CO2	To learn the general characteristics and classification of fungi along with life cycle.

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Sem III – Specific Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To understand the diversity among algae and general characters of phaeophyta.
SPO2	To understand the morphological diversity of bryophyte.

Sem III –Program Outcomes

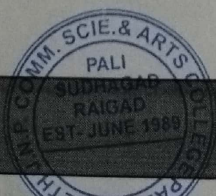
Program Outcome	FORM AND FUNCTION-I
PO1	To get the knowledge about plant body functioning through various cell organelles.
PO2	To create awareness about the natural genetic factors, there causes and effects.

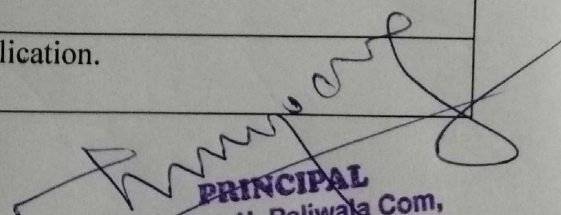
Sem III- Course Outcomes

Course Outcome	FORM AND FUNCTION-I
CO1	To gain knowledge about Instrumentation techniques .
CO2	To acquire knowledge about important organelles.

Sem III -Specific Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To understand the ultra structure and functions of cell organelles.
SPO2	To get the knowledge about process of DNA replication.




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Sem III –Program Outcomes

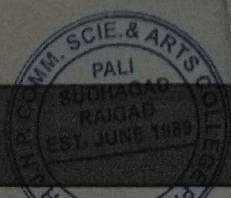
Program Outcome	CURRENT TRENDS IN PLANT SCIENCES-I
PO1	To get knowledge about history of Indian medicine, pharmacopeia, monographs, secondary metabolites used in medicine and adulterants.
PO2	To develop interest in various forest products, spices condiments, their marketing and to create awareness regarding self employment and to protect the forest land.

Sem III –Course Outcomes

Course Outcome	CURRENT TRENDS IN PLANT SCIENCES -I
CO1	To learn the principles of phytochemical constituents.
CO2	Acquire knowledge of economic importance of plants.

Sem III -Specific Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To get knowledge about history of Indian medicine, pharmacopeia and adulterant.
SPO2	To develop interest in various forest products.



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Sem IV -Program Outcomes

Program Outcome	PLANT DIVERSITY -II
PO1	To get knowledge about the plant diversity and variation of current and fossil plants.
PO2	To get the knowledge of plant health

Sem IV -Course Outcomes

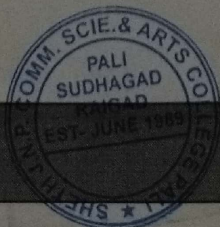
Course Outcome	PLANT DIVERSITY -II
CO1	To get the knowledge of plant diseases.
CO2	Acquire knowledge of economic importance of gymnospermic plants

Sem IV -Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To learn about formation and types of fossils.
SPO2	To understand salient features of gymnosperms.

Sem IV-Program Outcomes

Program Outcome	FORM AND FUNCTION-II
PO1	To get the knowledge about plant structural components and processes.
PO2	To create awareness about the environmental factors and community study.



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Sem- IV
Course Outcomes

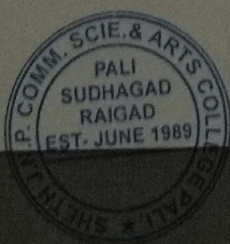
Course Outcome	FORM AND FUNCTION-II
CO1	To acquire knowledge of different fossil forms and understand their role in evolution.
CO2	Ability to understand environmental factors,

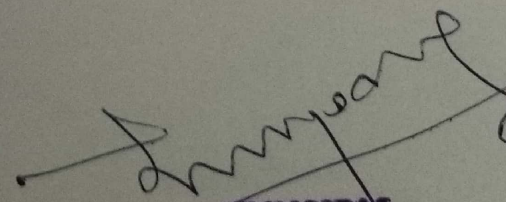
Specific Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To understand the physiological processes in plants.
SPO2	TO create awareness about environmental factors and community study.

Sem- IV Program Outcomes

Program Outcome	CURRENT TRENDS IN PLANT SCIENCES-II
PO1	To get the knowledge of applications of plant sciences garden development, plant tissue culture, etc.
PO2	To get knowledge of statistical techniques of analysis of biological data and to use the soft tools for data analysis and interpretation.




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Sem- IV Course Outcomes

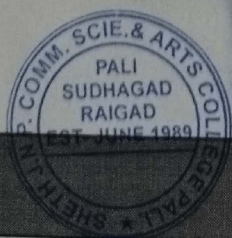
Course Outcome	CURRENT TRENDS IN PLANT SCIENCES-II
CO1	To gain knowledge about the Construction of genomic DNA and RNA
CO2	To gain knowledge about techniques of plant tissue culture.

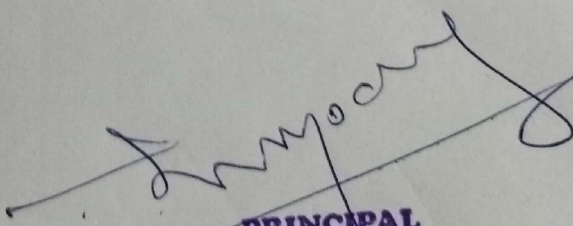
Specific Program Outcomes

Specific Program Outcome	PLANT DIVERSITY-II
SPO 1	To get knowledge of applications of plant science and garden development.
SPO2	To get knowledge about bioinformatics.

Course Outcomes

Course Outcome	FORM AND FUNCTION -I
CO1	To get the knowledge about plant body functioning through various cell organelles.
CO2	To get knowledge of Mendelian and post Mendelian genetics.




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