



BSF Road, Gangpimual, Churachandpur, Manipur, India-795006 Affiliated to M.U: No. MU/1-65/98/CDC/136:07.08.2012. Recognized by UGC under Section 2(f) & 12(B) of 1956 Act: No.8-29/2015(CPP-I/C):23/04/2015. www.rayburncollege.ac.in

## Criterion 2 Metric 2.6.1 Supporting documents

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

COURSE	PROGRAMME/ SEMESTER	SUBJECTS & CODE	CODE
	1 <sup>st</sup> semester	BUSINESS COMMUNICATION	E1-101
		FINANCIAL ACCOUNTING E2	E2-101
		<b>BUSINESS ECONOMIC &amp; ENVIRONMENT</b>	E3-101
В		ENGLISH	FC-1
	2 <sup>nd</sup> semester	E-COMMERCE	FC-2
		PRINCIPLE OF MANAGEMENT	E1-202
	c	FUNDAMENTAL OF ENTREPRENUERSHIP	E2-20
A	-	COST ACCOUNTING	E3-202
Q	3 <sup>rd</sup> semester	FUNDAMENTAL OF COMPUTER	FC-2
H		COMMERCIAL LAWS	E1-303
		BUSINESS MATHEMATICS AND STATISTICS	E2-303
BACHELOR OFCOMMERCE		MANAGEMENT ACCOUNTING	E3-303
2	4 <sup>th</sup> semester	ENVIRONMENTAL STUDIES	FC-2
2		AUDITING	E1-404
0		ELEMENT OF INCOME TAX	E2-404
F		COMPANY LAWS	E3-404
0	5 <sup>th</sup> sem B& F (honour)	MONEY BANKING & INTERNATIONAL TRADE	H-505
0		MODERN BANKING	H-506
$\leq$		INDIAN FINANCIAL SYSTEM	H-507
2	5 <sup>th</sup> sem. MAN.	MARKETING MANAGEMENT	H-505
Ŧ	Honour	HUMAN RESOURCES MANAGEMENT	H-506
R	-	INDUSTRIAL RELATION	H-507
0	6 <sup>th</sup> sem B& F	LAW & PRACTICE OF BANKING	H-608
	honour	FUNDAMENTAL OF INSURANCE	H-609
		(i) RESEARCH METHODOLOGY (ii) DISSERTATION	H-610
	6 <sup>th</sup> sem MAN	RETAIL MANAGEMENT	H-608
	honour	INTERNATIONAL MARKETING MANAGEMENT	H-609
		i)RESEACH METHODOLOGY ii) DISSERTATION	H-610

2.6.1 Courses offered and semester/ program details (COMMERCE)



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Courses offered and semester/ program details (ARTS)

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	PROGRAMME/ SEMESTER	SUBJECTS & CODE	CODE
	B.A 1 <sup>ST</sup> SEM.	POLITICAL SCIENCE	PSC-101
	B.A(GROUP D) 1 <sup>ST</sup> SEM	GEOGRAPHY	GEG-101
		HISTORY	HIS-101
		PSYCHOLOGY	PSY-101
		SOCIOLOGY(SOC 101)	SOC-101
		ENGLISH PAPER	E1-101
	BA 2 <sup>ND</sup> SEM	POLITICAL SCIENCE	PSC-202
		GEOGRAPHY	GEG-202
A		HISTORY	HIS -201
5		ENGLISH	E2-202
H		SOCIOLOGY	SOC-202
Ħ		PSYCHOLOGY	PSY-202
T	BA 3 <sup>RD</sup> SEM	POLITICAL SCIENCE	PSC-303
Ò		GEOGRAPHY	GEG-303
BACHELOR		HISTORY	HIS-303
-		ENGLISH	E3-303
			PSY-303
		PSYCHOLOGY	1.01.000
		SOCIOLOGY	SOC-303
	BA 4 <sup>TH</sup> SEM	POLITICAL SCIENCE	PSC-404
		GEOGRAPHY	GEG-404
		HISTORY	HIS-404
		ENGLISH	E4-404
		SOCIOLOGY	SOC-404
0		PSYCHOLOGY	PSY-404
OF	BA 5 <sup>TH</sup> SEM(	HISTORY OF ANCIENT INDIA	HS-501
. 1]	HISTORY)	HISTORY OF MUGHAL INDIA	HIS-502
		HISTORY ON INDIAN NATIONAL	HIS-503
	BA 6 <sup>TH</sup> SEM ( HISTORY)	HISTORY OF MANIPUR	HIS-608
		HISTORY OF SOUTH EAST ASIA	HIS-609
		HISTORY OF AMERICA MOVEMENT	HIS-610
	BA 5 <sup>TH</sup> SEM	INTERNATIONAL POLITICS	PSC-505
	POLITICAL	SOCIALIST THOUGHT	PSC-506
	SCIENCE	PUBLIC ADMINISTRATION	PSC-507
	BA 6 <sup>TH</sup> SEM	GOVT. & POLITICS OF NORTH EAST INDIA	PSC-608
$\mathbf{A}$	POLITICAL	GANDHIAN STUDIES	PSC-609
ARTS	SCIENCE	INDIAN POLITICAL THOUGHT	PSC-610
H	BA 5 <sup>TH</sup> SEM	(GEOMORPHOLOGY)	GEG-505
5	GEOGRAPHY	WORLD REGIONAL GEOGRAPHY	GEG-506
		(P)CARTOGRAPHY-III/(PRACTICAL	GEG-507
	BA 6 <sup>TH</sup> SEM	ECONOMY GEOGRAPHY	GEG-608
	GEOGRAPHY	GEOGRAPHY OF INDIA	GEG-609
		CARTOGRAPHY-IV (PRACTICAL	GEG-610
	BA 5 <sup>TH</sup> SEM	20TH CENTURY BRITISH LITERATURE	ESL-505
	ENGLISH	INDIAN WRITING IN ENGLISH	ESL-506
JURN COL		LITERARY THEORY	ESL-507

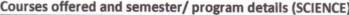
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BA 6 <sup>TH</sup> SEM	NORTH EAST LITERATURE	ESL-608
ENGLISH	COMMON WEALTH & AMERICAN LITERATURE	ESL-609
	EUROPEAN LITERATURE IN TRANSLATION	ESL-610
BA 5 <sup>TH</sup> SEM	INTRODUCTION TO SOCIOLOGICAL	SOC-505
SOCIOLOGY	POLITICAL SOCIOLOGY	SOC-506
	SOCIAL DEMOGRAPHY	SOC-507
BA 6 <sup>TH</sup> SEM	SOCIOLOGY OF GENDER RESEARCH	SOC-608
SOCIOLOGY	SOCIOLOGY OF MARGINAL GROUPS	SOC-609
	SOCIAL PATHOLOGY (WITH SPECIAL REFERENCE TO INDIA	S0C-610
BA 5 <sup>TH</sup> SEM	RESEARCH METHODOLOGY & STATISTICS	PSY-505
PSYCHOLOGY	PSYCHOPATHOLOGY AND PSYCHOLOGICAL	PSY-506
-	DEVELOPMENTAL PSYCHOLOGY	PSY-507
BA 6 <sup>TH</sup> SEM	ORGANISATIONAL BEHAVIOUR	PSY-608
PSYCHOLOGY	GUIDANCE AND COUNSELING DISORDERS	PSY-609
	PSYCHOLOGICAL ASSESSMENT	PSY-610



Principal RAYBURN COLLEGE Churachandpur, Manipur

COURSE	PROGRAMME/ SEMESTER	SUBJECTS & CODE	CODE
	B.SC 1 <sup>ST</sup>	BOTANY	BOT-101
	SEMESTER	PHYSICS	PHY-101
		CHEMISTRY	CHE-101
		MATHEMATICS	MAT-101
E		ZOOLOGY	Z00-101
SCIENCE	2 <sup>ND</sup> SEMESTER	BOTANY	BOT-202
Z		PHYSICS	PHY-202
E		CHEMISTRY	CHE-202
G		MATHEMATICS	MAT-202
S	3 <sup>RD</sup> SEMESTER	BOTANY	BOT-303
		PHYSICS	PHY-303
		CHEMISTRY	CHE-303
		MATHEMATICS	MAT-303
	4 <sup>TH</sup> SEMESTER	BOTANY	BOT-404
		PHYSICS	PHY-404
		CHEMISTRY	CHE-404
		MATHEMATICS	MAT-404
	5 <sup>TH</sup> SEMESTER	ELECTRONICS	PHY-505
	( PHYSICS HONOUR)	MATHEMATICAL PHYSICS	PHY-506
		PRACTICAL (BASED ON THEORY PAPERS)	PHY-507
[I]	6 <sup>TH</sup> SEMESTER	QUANTUM MECHANICS	PHY-608
0	PHYSIC HONOUR	PHYSICS OF MATERIALS	PHY-609
		PRACTICAL (BASED ON THEORY PAPERS)	PHY-610
	5 <sup>TH</sup> SEM CHEMISTRY HONOUR	INORGANIC CHEMISTRY	CHE-505
		ORGANIC CHEMISTRY	CHE-506
		PHYSICAL CHEMISTRY	CHE-507
		PRACTICAL (BASED ON THEORY PAPERS)	CHE-508P
	6 <sup>TH</sup> SEM	INORGANIC CHEMISTRY	CHE-608
	CHEMISTRY	ORGANIC CHEMISTRY	CHE-609
	HONOUR	PHYSICAL CHEMISTRY	CHE-610
R		PRACTICAL (BASED ON THEORY PAPERS)	CHE-611P
0	5 <sup>TH</sup> SEM MATHS	ABSTRACT ALGEBRA AND LINEAR ALGEBRA	MAT-505
I	HONOUR	REAL ANALYSIS	MAT-506
E		NUMERICAL ANALYSIS AND C PROGRAMMING	MAT-507
BACHELOR	6 <sup>TH</sup> SEM MATHS HONOUR	PDE, LAPLACE TRANSFORM AND CALCULUS OF VARIATION	MAT-605
A	1000	METRIC, SPACE AND COMPLEX ANALYSIS	MAT-606
B		(OPTONAL) ELEMENTARY NUMBER THEORY HIGHER MECHANICS SPECIAL THEORY OF RELATIVITY & TENSOR ASTRONOMY	MAT-607





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## 2.6. Program and course outcomes of the program offered by the institution

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Course	Program/ semester	Subject	Code	Expected Course Outcome
Bachelor of Commerce	B.Com 1 <sup>st</sup> semester	Business Communication	E1-101	Upon completion of the course, the students shall be able to understand the importance and true nature of communication, what non-verbal communications are, what listening means, know what business letters are and draft different letters of correspondence used in business.
		Financial Accounting	E2-101	Through this course, the students shall be equipped with the knowledge of accounting process and preparation of final accounts and develop their skill of recording financial transaction and preparation of reports.
		Business Economic & Environment	E3-101	After completing the course, the student shall be able to know the concepts of business economics and environment and apply them in real life situations.
		General English	FC-1	After completing the course, the student will be able to understand, in Grammar, Active/Passive voice; Direct and Indirect speech; Time, Tense and Aspect; Auxiliary Verbs; Use of Shall, Will, For, Since; Idioms and Phrases; Common Errors; Prepositions; Synonyms and Antonyms; Syntax In addition, they will be able to write Essays, Precis and Paragraphs while learning about different famous short stories.
	B.Com 2 <sup>nd</sup> semester	E-Commerce	FC-2	Upon completion of the course, the students will be familiarized with mechanism for conducting business transactions through electronic means through the learning about e-commerce, network infrastructure for ecommerce, e-commerce models and e-security.
		Principle Of Management	E1-202	Upon completion of the course, the students would have learned about the concepts and principles of Management by learning about the meaning, nature and characteristics of Management, planning, organizing, directing and controlling
		Fundamental Of Entreprenuership	E2-202	Through this course, the students would learn about entrepreneurship, its emergence and policies in India and promotional programmes. This will enable students in developing entrepreneurship and understand the importance of self – employment generation.
	Super COL	Cost Accounting	E3-202	Upon completion of the course, the students would become cost conscious through the various concepts and element of cost by learning about

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2.6.1 Courses offered and semester/ program expected outcome (COMMERCE)

Principal RAYBURN COLLEGE Churachandpur, Manipur

			material costing, labour costing, overhead costing and reconciliation of cost and financial accounts.
B.Com 3 <sup>rd</sup> semester	Fundamental Of Computer	FC-2	It is expected that, after completing this course, th students would have basic knowledge of compute by learning about the computer, its characteristics input and output devices, memory and mass storage devices, the network of computers and M Word.
	Commercial Laws	E1-303	After the course is completed, the students will have knowledge and awareness of basic business laws like Contract Act, Discharge of Contract, Sale of Goods Act, consumer Protection Act and Intellectual Property Rights that can help them in their real life as well as business.
	Business Mathematics And Statistics	E2-303	After completing the course, the student shall be able to understand Set Theory and Functions, Calculus, Statistics, Measures of Dispersion and Correlation and Regression.
	Management Accounting	E3-303	This course will enable the students to understand the importance of the subject through analysis and interpretation of financial statements with a view to prepare management reports for decision making by learning about Financial Statement Analysis, Ratio Analysis, Funds Flow and Cash Flow Analysis along with Management Reporting
B.Com 4 <sup>th</sup> semester	Auditing	E1-404	Upon completion of this course, the students will be acquainted with auditing procedure and report Writing through learning about auditing, auditors, Ownership Accounting, Planning of Audit and Control, Vouching and Audit of Financial Statements, Audit of Institutions and Business Correspondence.
	Element Of Income Tax	E2-404	After completing the course the students shall be able to understand the meaning and terms used in Income Tax, Income from Salary, Income from House Property, Income from Business, Capital gains and Income from other sources.
	Company Laws	E3-404	After completion of the course the student shall be able to understand about Joint Stock Company, Incorporation Of A Company, Issue Of Shares and Procedures involved, Calls, Forfeitures And Transfer Of Shares and Company Meeting along with duties of Company Secretary in different areas of a company and its incorporation.
5 <sup>th</sup> sem Banking & Finance (Honours)	Money Banking & International Trade	H-505	After completing the course, the students shall be able to understand about Money, Monetary standards, Commercial Bank, Central Banking and International Trade
	Modern Banking	H-506	Upon completion of the course, the student will be able to know about Development Banking, Regional Rural Banks, Non-banking finance companies, Co-operative Banks, Money and Capital market in India composition and Role of

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-*6	Indian Financial System	H-507	SEBI in developing capital market. The course shall familiarize the students with regard to structure, organization and working of financial system in India through learning of Modern Services of the Banks, Merchant Banking, Financial Institutions, Lease Financing and Mutual Funds and Securitisation.
5 <sup>th</sup> sem. Management (Honours)	Marketing Management	H-505	Upon completion of the course, the students will have knowledge of the basic principles of marketing and their application through learning about Marketing and its concepts, Market segmentation, Designing Products, Brands, Packaging, Product Development, Distribution Management and Promotional Management.
	Human Resource Management	H-506	After completing the course, the student shall be able to understand Human systems Resource of and human techniques, HumanResource plannin Recruitment, Selection and Placement, Training and Induction and Promotion and Transfers.
	Industrial Relation	H-507	After completing the course the student shall be able to understand about the importance, nature and approaches to to Industrial Relation, Collective Bargaining, Grievance and Industrial Discipline, Industrial Disputes and Collaboration and Workers Participation in Management.
6 <sup>th</sup> sem Banking & Finance (Honours)	Law & Practice Of Banking	H-608	The course will familiarize the students to understand the law and practice of banking by learning about Banker and Customer, Collection of cheques and other instruments, protection to the collecting banks under the Negotiable Instrument Act, Bills of exchange, Types of Customers and Account holders, Services to Customers by Bank and Principles of Bank Lending.
	Fundamental Of Insurance	H-609	The completion of this course will enable the students to know the fundamentals of Insurance by learning about Purpose andneedof insurance, Insurance as a social Security tool, Insurance and economic development, Functions of the agent, Financial and medical underwriting, Material information, Nomination and assignment, Procedure regarding settlement of policy claims, Loss prevention and Risk Management, Nature and sources of Risk, Classification of risk, Expectation of Loss, Principles of Life Insurance and Practice of General Insurance
ACOLLES	(I) Research Methodology (Ii) Dissertation	H-610	After this course is completed, the students will b acquainted with the methodology for preparing project report, report or business report in depth study and research through the learning of Definition Of Scientific Method, Nature & Uses of scientific methods, Types Of Scientific Methods, Research Methods, Collection of Data, Data Analysis Techniques and Presentation Of

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14 Principal RAYBURN COLLEGE Churachandpur, Manipur

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	6 <sup>th</sup> sem Management (Honours)	Retail Management	H-608	After completing the course the student will be able understand Importance of retailing in economy, Meaning and nature of retailing; Career options in retailing, Retailing in India, Technology induction in retailing, Future of retailing, Types of Retailing, Retailing Regulations and Laws, Management of Retailing Operations and Retail Planning.
		International Marketing Management	H-609	Completion of the course will familiarize the students with the concept and issues of international marketing and enable them to be able to analyse the foreign market environment and develop international marketing strategies for a business firm by learning about Nature and scope of International Marketing, International Market orientation, International marketing management process, International marketing information system, Analsis of International Marketing Environment, International Product Policy and Pricing, International Distribution and Promotion and Emerging Trends in International Marketing.
		(I) Research Methodology (Ii) Dissertation	H-610	After this course is completed, the students will be acquainted with the methodology for preparing project report, report or business report in depth study and research through the learning of Definition Of Scientific Method, Nature & Uses of scientific methods, Types Of Scientific Methods, Research Methods, Collection of Data, Data Analysis Techniques and Presentation Of Data.

## Courses offered and semester/ program expected outcome (Arts)

Course	Program/ Semester	Subject	Code	Expected Course Outcome
BACHELOR OF ARTS	B.A (1 <sup>st</sup> Semester)	Political Science	PSC-101	After Completing The Course The Student Will Be Able To Understand Political Theory, Its Concept, Nature, Scope, Methods And Approaches To The Study Of Political Science, Theories Of State, Purpose And Limitations Of State, Characteristics Of Sovereignty, Democracy, Modern Political Theory And Political Culture And Political Socialisation.
	JOURN COL	Geography	GEG-101	After Completing The Course, The Student Will Be Able To Understand The Nature Of Geography, Emergence Of Geography As A Subject, Geography And Other Disciplines Through The Study Of Contributions Of Different Geographers, Dualism, Concept Of Region, Recent Trends Of Study Geography In India,

RAYBURN COLLEGE Churachandpur, Manipur

ective glish: glish terature: story, etry And ama (Old glish – The <sup>th</sup> Century) ychology	E1 - 101	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Understand Literature From Its Historical Context.</li> <li>2. To Study Poetry From Different Perspectives And Understand The Viewpoints.</li> <li>3. To Study And Understand Artistic And</li> </ul>
ychology	1	Creative Aspects Of Drama.
	PSY-101	After Completing The Course The Student Will Be Able To Understand Nature, Scope And Branches Of Psychology, Methods Of Psychology And Biological Perspective Of Psychology By Learning About Neurons, Synapse, Neurotransmitters, Sensation, Attention And Perception, Learning, Motivation, Emotions, Memory, And Thinking
ciology	SOC-101	After The Completion Of The Course, Student Shall Be Able To Understand Nature And Scope Of Sociology, Relationship With Other Social Sciences, Basic Concepts And Institutions, Social Processes, Social Institutions And The Individual In/And Society.
litical ence blitical eory)	PSC-202	After Completing The Course, The Student Will Be Able To Understand Polital Thoughts Of Classical Philosophers Like Plato, Aristotle, Machaivelli, Bodin, Hobbes, Lock, Rousseau, Hegel, Marx Marx Along With Western Polital Theories.
ography troduction ography)	GEG-202	After Completing The Courses, The Student Will Be Able To Understand, The Solar System And Origin Of Earth, Rocks, Interior Of The Earth, Earth Movements, Weathering, Factors Affecting Weathering, Concept Of Cycle Of Erosion, Elements Of Weather And Climate, Atmospheric Pressure And Winds, Planetary, Periodic And Local Winds, Evaporation, Condensation And Precipitation, Cyclones And Anticyclones, Climatic Types And Their Association With Major Natural Regions,
o	graphy oduction	graphy GEG-202 oduction

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	History (History Of Delhi Sultanate; 1200-1526)	HIS -201	<ul> <li>Configuration Of Ocean Floor, Global Distribution Of Major Plant And Animal Communities Along With Concept Of Ecosystem And Food Chain.</li> <li>Upon Completion Of The Course, The Student Will Be Able To Know About History Of Delhi Sultanate (1200-1526) Through The Learning Of Ghori's Conquest Of India, Vijayanagar Empire And Bahamanas Kingdom, Tline Of The Culture During 13<sup>th</sup> – 16<sup>th</sup> Century And Bhakti Movement.</li> </ul>
	Elective English: British Fiction	E2 - 202	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Understand Literature Through In- Depth Study Of Fictional Works Of The Victorian Period.</li> <li>2. To Develop Reading Comprehension, Writing Expertise And Thinking Skills Through High-Quality Literature.</li> </ul>
	Sociology( Introduction To Sociology)	SOC-202	The Expected Outcome Of The Course Is The Student Shall Be Able To Understand The Sociology Of India Through The Learning Of Basic Institutions Of Indian Society- Family, Kinship, Marriage-Hindu, Muslim Christian, Religion- Hindu, Muslim, Christian, Caste, Class; Social Problems In India, The Sharing Of Material Traits, Cultural Space, Language And Regional Ethos, The Evolution Of Composite Cultural Legacy, Change And Transformation In Indian Society, Nation Building And National Identity.
	Psychology(T heories Of Intelligence & Personality)	PSY-202	Upon Completion Of The Course, The Student Will Be Able To Understand Concept And Definition Of Intelligence, Theories Of Intelligence, Concept And Definition Of Personality, Theories Of Personality, Type And Trait Theory, Ethical Issues In Intelligence And Personality Research.
BA (3 <sup>rd</sup> Semester)	Political Science(Indian Government And Politics)	PSC-303	After Completing The Course, The Students Will Be Able To Understand Indian Government And Politics Through The Studying Of Socio-Historical And Religious Background - Indian Freedom Struggle, Constitutional Structure, Nature Of Indian Federation, Parliamen Executive, Centre- State Relations, Role Of Planning Commission, Panchayati Raj, Women Empowerment, Party System, Political Behaviour, Caste And Politics, Communalism, Regionalism And National Integration.
ALE OF	Geography (I) Human	GEG-303	After Completing Of The Course The Students Will Be Able To Understand:

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Geography (Ii) Cartography - Ii (Practical)	<ul> <li>(I)Human Geography Through The Study Of Nature And Scope Of Human Geography, Branches Of Human Geography, Approaches To The Study Of Human Geography, Division Of Mankind, Human Adaptation To The Environment, Economic Activities Of Mankind.</li> <li>(Ii)P Cartography Through The Study Of Scale Identification Of Rocks And Minerals, Fibers And Crops, Methods Of Showing Relief-Hachure, Shading, Contours And Layer Tints And Reading Of Meteorological Instruments.</li> </ul>
History (History Of Modern India; 1600-1857)	After Completion Of The Course, The Student Will Be Able To Know About The History Of Modern India (1600-1857) Ny Studying About European Commercial Interest, British Annexation And Consolidation, British Expansionist Policies, Structure And Administrative Organisation Of The Company Viz. The Regulating Act, Pitts India Act, Charter Act And The Various Reforms Made With Regards To Civil Services, Army, Police And Judicial Organisation Under The British Company And Also Revolt Of 1857.
Elective E3 - 303 English: Western Criticism	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Understand The Literary Sense Of The Work, Form Judgments About Literary Works, Study Ideas And Philosophy From Different Points Of View.</li> <li>2. To Understand The Possible Meanings Of Literary Phenomena And The Contexts In Which They Take Shape.</li> </ul>
Psychology(So cial Psychology)	Upon Completion Of The Syllabus, The Students Will Be Able To Understand Nature, Scope And Researches Of Social Psychology, Social Influence, Conformity ,Compliance, Obedience, Social Facilitation Social Loafing ,Social Interaction, Prejudice And Discrimination, Interpersonal Attraction Aggression And Prosocial Behaviour, Social Cognition, Attitude, Attitude Formation, Attitude Change, Impression Formation And Atfribution, Group Dynamics And Inter-Group Relations And Leadership.



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	Sociology (Sociological Thought)	SOC-303	After Completion Of The Course, The Student Will Be Able To Understand Sociological Thought Through The Study Of Thoughts Of Auguste Comte, Herbert Spencer, Karl Marx, Emile Durkheim And Max Weber.
BA (4 <sup>th</sup> Semester)	and the second sec	PSC-404	Upon Completion Of The Course, The Student Will Be Able To Understand About The Different Government And Politics Of Different Countries Through Comparative Study Of Government And Politics Of U.K., U.S.A, Japan, China & Switzerland.
	Geography (I) Population And Settlement Geography (Ii) Cartography - Ii (Practical)	GEG-404	After Completion Of The Course, Students Will Be Able To Understand- (I) Population And Settlement Geography Through The Studying Of Nature And Scope Of Population Geography, Composition Of Population, Economic Composition, Fertility And Mortality With Reference To India; Migration, Nature And Scope Of Settlement Geography, Types And Patterns Of Rural Settlements, Distribution Of Rural Settlements; Growthof Urban Settlements, Morphology, Urbanization Trends In The World, Functional Classification Of Towns, Urban Problems And Planning. (Ii)P Cartography With Reference To Cartographic Symbols And Their Uses, Use Of Line And Bar Graphs For Representing Population, Agriculture, Industry And Transport Data. Mean .Median, Mode, Standard Deviation, Correlation Coefficient, Representation Of Population Distribution, Density And Growth, Land Use, Cropping Pattern, Industries And Transport By Cartographic Techniques Other Than Line And Bar Graphs. Interpretation Of Survey Of India(SOI) Topo- Sheets Of An Area
	History (History Of Modern Europe; 1789- 1945)	HIS-404	After Completing The Course, The Student Will Be Able To Understand History Of Modern Europe (1789-1945) Through The Study Of French Revolution, Social And Political Development 1815-1848, Unification Of Italy And Germany, Europe In 1 <sup>st</sup> And 2 <sup>nd</sup> World War, Power Blocks And The Alliance, And World War I, Fascism And Nazism Origins Of The World War II.
R DAUTELO R R OF	Elective English: Linguistics And English Language	E4 - 404	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Understand The Concept Of Linguistics And The Various Branches Of Study In The Field.</li> <li>2. To Analyse The Form, Structure And</li> </ul>

Principal RAYBURN COLLEGE 2

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		Sociology(Soc iological Thought)	SOC-404	Upon Completion Of The Course, The Student Will Be Able To Understand Indian Sociological Tradition By Having Studied Development Of Sociological Thought In India, Philosophy On Social Thought In India, Important Contributions On Indian Social Thought, Indological Perspective And Marxist Perspective.
		Psychology(Sy stems And Trends In Psychology)	PSY-404	After Completing The Course, The Expected Outcome Is That The Student Will Be Able To Understand The Birth Of Modern Psychology By Having Studied Stucturalism, Functionalism, Associationism, Behaviorism And Gestalt Psychology, Behaviorism, Classical Psychoanalysis, Neo-Freudians, Humanistic And Existential,Rogers, Maslow Existential, Currents Trends, Transpersonal Psychology In India
	BA (5 <sup>th</sup> Semester) (History Honours)	History Of Ancient India	HS-501	After Completion Of The Course The Student Shall Be Able To Understand History Of Ancient India (600 Bc-1200AD) By Having Studied About The Formation Of The Mahajanapadas And Foreign Invasion Of India By Iranian And Macedonian Powers, Formation Of The Mauryan Empire, Socio- Religious And Political Conditions Of The Kushans, The Sungas And The Gupta Empire, The Chalukyas, Pallavas, Rastrakutas, Cholas, Palas, Etc. And Also The Conquest Of Sindh By The Arabs.
		History Of Mughal India	HIS-502	Upon Completion Of The Course, The Student Shall Be Able To Understand The History Of Mughal India (1526-1707) Through Political Conditions Of North India In 1526,Babur And The Establishment Of The Mughal Empire, Humayun, Sher Shah, Akbar, Regency Of Bairam Khan, Rajput Policy,Religious Policy, Jahangir, Shah Jahan, Aurangzeb, Mughal Administration And Factors Responsible For The Decline Of The Mughal Empire.
	IRN COL	History On Indian National	HIS-503	By Completing This Course, The Student Shall Be Able To Understand History Of Indian National Movement (1885-1947) Through The Study Of Emergence Of Indian Nationalism, Foundation Of The Indian National Congress And The Moderates And The Extremists, Protest And Communalism,

			Gandhian Era, Quit India Movement, INA And Th Partition Of India.
BA (6 <sup>th</sup> Semester)	History Of Manipur	HIS-608	After Completion Of The Course, The Studen Shall Be Able To Understand History Of Manipu From 33AD-1891AD By Having Studied Th Historical Sources Of Manipur History, The Origi Of Sanskritization In Manipur, The Origin, Course And Outcome Of The Anglo-Manipur War Of 1899 Is Mentioned With Great Significant.
	History Of South East Asia	HIS-609	Upon Completion Of The Course, The Studen Shall Be Able To Understand History Of Sout East Asia (1800 To 1945) Through Topics Lik Contact With The West, Anglo-Dutch Imperialism Spanish, USA, And French Colonial Expansion In Philippines, French Colonial Expansion In Lao Cambodia And Indo-China (Vietnam), Frence Colonial Administration In Indo-China An Thailand's Resurgence.
	History Of America Movement	HIS-610	After Completion Of The Course, The Studen Shall Be Able To Understand History Of America (1766-1945) American Revolution, Sectiona Conflict And Civil War, Reconstruction, America Between I And II World Wars, Economic Depression And The New Deal, And Also Entry Into World War II And Its Consequences.
BA (5 <sup>th</sup> Semester) (Political Science Honours)	International Politics	PSC-505	By Completing The Course, The Student Will BAble To Understand International Politics ThougThe Study Of Nature And Scope Of InternationalPolitics, Systems And Realist Theories OfInternational Politics, National Power, Balance OPower, League Of Nations, The United NationsFactors Influencing Foreign Policy, BasiPrinciples Of India's Foreign Policy, Issues OIndian Foreign Policy:(I)(I)Kashmir Issue(Ii)Causes Of Sino-Indian War Of 1962 AndIts Impacts(Iii)US Stand On Sino-Indian War Of 1962Indo-Pak Wars Of 1965 And1971(Iv)Soviet Stand On Sino-Indian War Of 1962Indo-Pak Wars Of 1965 And1971(Iv)Soviet Stand On Sino-Indian War Of 1962Indo-Pak Wars Of 1965 And1971(Iv)Soviet Stand On Sino-Indian War Of 1962Indo-Pak Wars Of 1965 And1971
-	Socialist Thought	PSC-506	After Completing The Course, The Students Will Be Able To Understand All The Aspects That Relates To The Studies Of Political Science And Thought. Such As The Socialist Thought, Utopian Socialism Inclusind The Main Ideas Robert Owen, Charles Fourier. That Also Includes The Main Ideas Of Marx, Engels And Lenin.
OLLES	Public Administration	PSC-507	After Completing The Course, The Student Will Be Able To Understand Public Administration By Having Studied About Its Meaning, Nature Scope

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			Differences Between Public Administration An Private Administration, Relationship Betwee Politics And Public Administration, Organisation Administrative Units, Personnel Administration Agencies Of Financial Administration, Financia Committees Of Indian Parliament, Principles O Budget Making, Comptroller And Auditor Genera Of India And Planning Commission Of India.
BA (6 <sup>th</sup> Semester) (Political Science Honours)	Politics Of North East India	PSC-608	After Completing The Course, The Student Will B         Able To Understand Government And Politics O         North - East India Through Topics Such A         Features Of North East India-Traditional Politica         Institutions, Relations Between The North East         India And The British, Political Status Of The         States And Hill Areas Beföre Independence, Sixtl         Schedule Of The Indian Constitution, Formation O         States: Nagaland, Meghalaya, Mizoram And         Arunachal Pradesh.         Political Parties: National And Regional, Their Role         In The Politics Of North East India.         Relation Between The Centre And The Region -         North Eastern Council, Political Movements
	Gandhian Studies	PSC-609	After Completion Of The Course The Student Will Be Able Understand Gandhian Studies By Having Learned Of Origin Of Gandhian Philosophy, His Understanding Of Human Nature And Views On Spiritualization Of Politics, Gandhi's Concept Of Satyagraha, Nonviolence, Freedom And Equality, His Views On State, Democracy And Socialism Concept Of Trusteeship, Essentials Of Gandhian Economics And On Science And Technology, Gandhi And World Peace And Relevance Of Gandhi In Modern Times.
	Indian Political Thought	PSC-610	After Completing The Course Students Will Be Able To Understand Indian Political Thought By Lerning About Ancient Philosophical Traditions Of India Through The Thoughts Of Manu, Kautilya, Raja Ram Mohan Roy, Swami Vivekananda, Aurobindo Ghosh,Bal Gangadhar Tilak; Gopal Krishna Gokhale, M.N. Roy, Md. Iqbal,Jawaharlal Nehru, Subhashchandra Bose,Dr. B.R. Ambedkar And Jayprakash Narayan.
BA (5 <sup>th</sup> Semester) (Geograp hy Honours)	(Geomorpholo gy)	GEG-505	After Studying The Course, The Student Will Be Able To Understand The Nature, Scope And Concepts Of Geomorphology, Its Relationship With Other Branches Of Earth Sciences; Geological Time Scale, Earth's Interior, Wegener's Theory Of Continental Drift, Plate Tectonics, Rocks And Minerals, Geomorphic Agents And Processes And Applied Geomorphology.
tron	World Regional Geography	GEG-506	After Completing The Course, The Student Will Be Able To Understand India In The Context Of South And South East Asia, As A Land Of Unity And

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			Diversity, Structure And Relief, Drainage, Climate And Vegetation, Natural Regions, Agriculture And Agricultural Development Planning, Mineral And Power Resources, Transport And Communication, Trade And Commerce, Basis Of Regional Divisions, North East India And Manipur.
BA	(P)Cartograph y-Iii/(Practical	GEG-507	After Completing The Course The Student Will Be Able To Understand About Preparation Of Cross And Longitudinal Profiles Of Streams; Preparation Of Average Slope Map, Block Diagram, Area Height Curve, Hypsometric Curve And Drainage Frequency And Density Map, Interpretation Of Geological Maps And Drawing Of Geological Sections To Show The Sequence And Relationships Of Structure With Relief, Basic Principles Of Land Surveying And Map Projection.
BA (6 <sup>th</sup> Semester) (Geograp hy Honours)	Economy Geography	GEG-608	After Completion Of The Course, The Student Will Be Able To Understand The Definition, Nature, Scope And Recent Trends In Economic Geography, Its Relations With Economics And Allied Subjects, Sectors Of Economy -Primary, Secondary, Tertiary And Quaternary, Natural Resources, Minerals And Industries, Trade And Transport, Global Distribution And Concentration Of Quaternary Activities, Disparity Between Developed And Developing Countries, India's Position In Quarternary Sector, Impact Of Globalization And India's Economy, Role Of Multinational Companies And Rise Of IT Industry In India
	Geography Of India		Upon Completing The Course, The Student Will Be Able To Understand Asia By Its Terrain, Pattern, Drainage, Climate, Natural Vegetation, Soils, Spatial Distribution Of Population And Economic Base Of The Continent In General, Regional Studies Of South And South-East Asia. Europe By Its Physical, Economic And Demographic Characteristics Of The Continent, Regional Studies Of British Isles And European Union, North And North America By Its Physical, Economic And Demographic Setup, Regional Studies Of US A And Brazil, Australia And Newzealand And Pacific Islands By Their Physical, Economic And Demographic Set Up And Also Africa By Its Physical, Economic And Demographic Setup.
E Col	Cartography- Iv (Practical	GEG-610	After Completing The Course, The Student Will Be Able To Understand Dumpy Level For Preparation Of Road Profile And Contouring And Theodolite For Measurement Of Heights And Distances Through The Study Of Remote Sensing, Field Work And Field Report Under The Guidance Of Teachers By Selecting Any Area Near The Institution Or Elsewhere, Collect Topo Sheets Of

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				The Area 1:50,000 Scale Or Satellite Image, Visiting The Area And Identifying The Land Forms , Settlement, Land Use Features And Compare The Same With The Topo Sheets And / Or Satellite Image, Draw Sketches And Maps Of The Selected Area, Conduct Field Survey And Prepare Field Report.
(Er	A (5 <sup>th</sup> mester) nglish onours)	20 <sup>th</sup> Century British Literature	Enh – 505	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Introduce Into The Important Works Of Writers Pertaining To Britain In The 20<sup>th</sup> Century.</li> <li>2. To Gain An In-Depth Knowledge Of The Dominant And Recurrent Ideas And Motifs In British Literature.</li> </ul>
		Indian Writing In English	Enh – 506	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Be Well Acquainted With Important Works Of Indian Authors Writing In English.</li> <li>2. To Analyse And Understand The Extent To Which English As A Second Language Has Been Contributing To Indian Literature.</li> </ul>
		Literary Theory	Enh – 507	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Understand The Basic Tenets And Concepts Of Literary Theories.</li> <li>2. To Develop Analytical Skills And Enhance Their Understanding Of Literary Works.</li> </ul>
(En	(6 <sup>th</sup> nester) glish nours)	North-East Literature	Enh – 608	<ul> <li>On Completion Of The Course, Students Will Be Able:</li> <li>1. To Introduce Into The Budding Body Of Work (Original And Translated) From The North East.</li> <li>2. To Analyse And Understand The Narratives Of The Region Rooted In Culture, Traditions, Myths And Tribal Way Of Life.</li> </ul>
		Commonwealt h And American Literature	Enh – 609	On Completion Of The Course, Students Will Be Able: 1. To Introduce Into The Concepts And Ethos Of Colonialism.

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			<ol> <li>To Engage Into A Post-Colonial Reading Of Works From Commonwealth Countries</li> </ol>
	European Literature In Translation	Enh – 609	On Completion Of The Course, Students Will Be Able: 1. To Introduce Into The Concepts And Ethos Of Colonialism. 2. To Engage Into A Post-Colonial Reading Of Works From Commonwealth Countries
BA (5 <sup>th</sup> Semester) (Sociolog y Honours)	Introduction To Sociological	SOC-505	After Completing The Course, The Student Will B Able To Understand Sociological Research B Learning About The Meaning, Scope An Significance Of Social Research, Conceptualisation And Formulation Of Hypothesis, Types O Research, Techniques Of Data Collection Presentation And Interpretation Of Data And Report Writing.
	Political Sociology	SOC-506	After Completing The Course, The Student Will B Able To Understand Social Change (With Specia Reference To India) Through The Learning O Concepts, Features, Forms And Agents Of Socia Change, Its Factors, Theories, Processes And Alse Social Change In India.
	Social Demography	SOC-507	After Completing The Course, The Student Will Be Able To Understand Social Demography Through The Studying Of Population And Society Demographic Theories, Population Structure And Characteristics, Demographic Processes And Population Planning And Control Through Population Policy Of India, National Population Policy 2000, National Rural Health Mission Implementation And Effectiveness Of Growth Control Measures.
BA (6 <sup>th</sup> Semester) (Sociolog y Honours)	Sociology Of Gender Research	SOC-608	After Completing The Course, The Student Will Be Able To Understand Sociological Research Having Learned The Meaning, Scope And Significance Of Social Research, Conceptualisation And Formulation Of Hypothesis, Types Of Research, Techniques Of Data Collection, Presentation And Interpretation Of Data, Analysing Data And Report Writing.
	Sociology Of Marginal Groups	SOC-609	After Completing The Course, The Student Will Be Able To Understand Sociology Of Marginal Groups By Studying About Marginalised People, Discrimination, Marginalisation, Vulnerable Groups, Transgender, Aged Persons, And Exclusion Through Social Stratification, Women And Girl-Child, Differently Abled, HIV Related Victims Along With Measures Taken To Elevate And Right These Wrongs.
COLin	Social Pathology	S0C-610	After Completing The Course, The Student Will Be Able To Understand Sociological Theory Based On

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BA       (5°)       Research Methodology       After Completing The Syllabus The Student Wil Be Able To Understand Research         (Psycholo       & Statistics       Concept, Characteristics, Types,Methods An Techniques Of Research, Relationship Between Theories An Research Psychological Disorders Through The Study Of Concept, Models And Causes O Abnormality, Anxiety, Somatoform An Dissociative Disorder.         Developmenta       PSY-507       After Completing The Course, The Student Will Be Able To Understand Development And Theories, Domains O Human Development Like Cognitive Development (Riages) , Moral Development (Kohlberg) Psychosocial Development And Also Socio-Cultural Content For Human Development.         BA       (6 <sup>th</sup> Organisational PSY-608       After Completing The Course, The Student Will Be Able To Understand Organizational Behavior Organizational Behavior Organizational Behavior Organizational Behaviori Presonality Disorders <tr< th=""><th></th><th>(With Special Reference To India</th><th></th><th>The Study Of The Emergence Of Sociology, Schools Of Sociological Theory Through Functionalism, Origin Of Conflict/Critica Theorising, Conflict Theories Of Karl Marx, Rali Dahrendorf, And Lewis Coser, Exchange Theory, Interactionist Theory And Ethnomethodology.</th></tr<>		(With Special Reference To India		The Study Of The Emergence Of Sociology, Schools Of Sociological Theory Through Functionalism, Origin Of Conflict/Critica Theorising, Conflict Theories Of Karl Marx, Rali Dahrendorf, And Lewis Coser, Exchange Theory, Interactionist Theory And Ethnomethodology.
Psychopatholo gy         PSY-506         After Completing The Syllabus, The Student Will Be Able To Understand Psychopathology An Psychological Disorders Through The Study Of Concept, Models And Causes O Abnormality, Anxiety, Somatoform And Dissociative Disorders, Mood Disorders Personality Disorder, Learning Disorder Neurodevelopment Disorder.           Developmenta 1 Psychology         PSY-507         After Completing The Course, The Student Will Be Able To Understand Developmenta Psychology By Having Learned Of Concept Of Human Development And Theories, Domains O Human Development Like Cognitive Development (Stages) , Moral Development (Kohlberg) Psychosocial Development.           BA         (6 <sup>th</sup> Organisational Semester) (Psycholo         PSY-608         After Completing The Course, The Student Will Be Able To Understand Organizational Development.           BA         (6 <sup>th</sup> Organisational Semester) (Psycholo         PSY-608         After Completing The Course, The Student Will Be Able To Understand Also Socio-Cultural Contents For Human Development.           Guidance And Counseling Disorders         PSY-609         After Completing The Course, The Student Will Be Able To Understand About Guidance And Counseling By Learning Of The Nature And Goals Of Counseling By Learning Of The Nature And Goals Of Counseling By Learning Of The Nature And Goals Of Counseling By Learning Of The Nature And Goals Of Counseling.           Psychological Assessment         PSY-610         After Completing The Course, The Student Will Be Able To Understand Psychological Assessment	Semester) (Psycholo gy	Methodology	PSY-505	After Completing The Syllabus The Student Wil Be Able To Understand Research Concept, Characteristics, Types,Methods And Techniques Of Research Survey, Schedule/Questionnaire, Case Study Projective Techniques,Psychological Theories And Research, Relationship Between Theories And Research, Paradigm Andalso Statistics Based Or
Developmenta 1 PsychologyPSY-507After Completing The Course, The Student Will Be Able To Understand Developmental Psychology By Having Learned Of Concept Of Human Development And Theories, Domains O Human Development Like Cognitive Developmen (Faget And Vygotsky), Language Developmen (Stages) , Moral Development (Kohlberg) Psychosocial Development And Also Socio-Cultural Contents For Human Development.BA (6th Organisational Semester) (Psycholo gy Honours)PSY-608After Completing The Course, The Student Will Be Able To Understand Organizational Behavior Individual Level Process, Dynamics O Organizational Behavior, Organizational Culture, Power And Politics, Organizational Communication-Functions And Types, Conflic And Stress-Types, Sources And Resolutions.Guidance And Counseling DisordersPSY-609After Completing The Courses The Student Will Be Able To Understand About Guidance And Counseling, Behavioral Techniques, Counseling Able To Understand About Guidance And Counseling By Learning Of The Nature And Goals Of Counseling, Behavioral Techniques, Counseling Applications, Personality Characteristics, Counseling Process, Ethics, Phases And Techniques Of Counseling.Psychological AssessmentPSY-610After Completing The Course, The Student Will Be Able To Understand About Guidance And Counseling Applications, Personality Characteristics, Counseling A		gy And	PSY-506	After Completing The Syllabus, The Student Will Be Able To Understand Psychopathology And Psychological Disorders Through The Study Of Concept, Models And Causes Of Abnormality, Anxiety, Somatoform And Dissociative Disorders, Mood Disorders, Personality Disorder And Its Types, Neurodevelopment Disorder, Learning Disorder, Inattention/Hyperkinetic Disorder And
BA (6th Semester)Organisational BehaviourPSY-608After Completing The Course, The Student Will Be Able To Understand Organizational Behavior Individual Level Process, Dynamics Or Organizational Behavior, Organizational Culture Power And Politics, Organizational Communication-Functions And Types, Conflict And Stress-Types, Sources And Resolutions.Guidance And Counseling DisordersPSY-609After Completing The Courses The Student Will Be Able To Understand About Guidance And Counseling, Behavioral Techniques, Counseling DisordersPSY-609Psychological AssessmentPSY-610After Completing The Course, The Student Will Be Able To Understand About Guidance And Techniques Of Counseling.Psychological AssessmentPSY-610After Completing The Course, The Student Will Be Able To Understand Psychological Assessment			PSY-507	After Completing The Course, The Student Will BeAble To Understand Developmental Psychology ByHaving Learned Of Concept Of HumanDevelopment And Theories, Domains OfHuman Development Like Cognitive Development(Piaget And Vygotsky), Language Development(Stages), Moral Development (Kohlberg),Psychosocial Development (Erikson), PersonalityDevelopment And Also Socio-Cultural Contents
Counseling DisordersAbleToUnderstandAboutGuidanceAnd Counseling By Learning Of The Nature And Goals Of Counseling, Behavioral Techniques, Counseling Applications, Personality Characteristics, Counseling Process, Ethics, Phases And Techniques Of Counseling.Psychological AssessmentPSY-610After Completing The Course, The Student Will Be Able To Understand Psychological Assessment	Semester) (Psycholo gy	Behaviour		After Completing The Course, The Student Will Be Able To Understand Organizational Behavior, Individual Level Process, Dynamics Of Organizational Behavior, Organizational Culture, Power And Politics, Organizational Communication-Functions And Types, Conflict
Assessment Able To Understand Psychological Assessment		Counseling	PSY-609	After Completing The Courses The Student Will Be Able To Understand About Guidance And Counseling By Learning Of The Nature And Goals Of Counseling, Behavioral Techniques, Counseling Applications, Personality Characteristics, Counseling Process, Ethics, Phases And Techniques
	ACOLLEGA		PSY-610	After Completing The Course, The Student Will Be

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Intelligence And Group Tests Of Ability, Stanford- Binet Intelligence Scales, Wechsler Scales Of Intelligence, Culture Fair Test, Raven's Progressive Matrices, Group Test Of Intelligence, Personality Test, Projective Testsand Applications Of
Psychological Tests.



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Course	Program/ semester	Subject	Code	Expected Course Outcome
	B.Sc 1 <sup>st</sup> semester	<b>Zoology:</b> Principles of classification, Zoogeography and Palaeozoology	ZOO- 101	<ul> <li>On completion of the course students will be able</li> <li>1. To understand and organize the diversity of life on our planet. Classify animal groups within larger groups.</li> <li>2. To identify Zoogeographical regions with their climatic and faunal peculiarities.</li> </ul>
ce		Zoology: Practicals based on ZOO-101	ZOO- 101P	On completion of the courses students will be able 1. To identify and described the characters of the collected specimen. 2. To point out the geological time scale
Science		Chemistry: Inorganic, Organic and Physical Chemistry	CH-101	<ul> <li>On completion of the course student will be able</li> <li>1. To understand atomic structure, periodic classifications of elements, chemical bonding and theory of quantitative and qualitative analysis</li> <li>2. Inorganic chemistry practical on Semimicro analysis (4 radicals), Quantitative analysis Volumetric Estimation (Ocentral)</li> </ul>
of				<ul> <li>Estimation (One metal)</li> <li>3. To understand structure &amp; bonding, mechanisms of organic reactions, cycloalkanes, alkenes cycloalkenes, Dienes &amp; Alkynes</li> <li>4. To understand gaseous state (I &amp;II), liquid state and solid state.</li> </ul>
Bachelor	COLLEGA	Botany: Virus, Bacteria & Cryptograms	BOT- 101	<ul> <li>Upon completion of the course, students would - <ol> <li>Know the importance of morphological structure, classification, reproduction and nutrition of virus and bacteria.</li> <li>Study and impart knowledge about the general characteristics, structure, reproduction, life cycle and economic importance of fungi and lichens.</li> <li>Be able to explain about structure, classification, reproduction, life cycle and economic importance of Bryophytes.</li> <li>Know the importance of morphological structure, classification, reproduction, life cycle and economic importance of Algae.</li> <li>Know the general characters, classification anatomy of sporophytes, and reproduction of Pteridophytes.</li> <li>Learned about the microscopic technique</li> </ol></li></ul>

## Courses offered and semester/program expected outcomes (Science):

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B.Sc 2 <sup>nd</sup> Zoology:         B.Sc 2 <sup>nd</sup> Zoology:         B.Sc 2 <sup>nd</sup> Zoology:         Functional       MAT- 101         D. Semester       Zoology:         Functional       ZOO- 202         D. Summer       On completion of the course, students will be to full mechanics.         D. Summer       On completion of the course, students will be to full mechanics.         Anatomy Of Non- Chordata       ZOO- 202         D. Completion of the general charact of animals belonging to protoce echinodermata.       On completion of the course students will be to to the course students will be to the course students will be to the course of classical and magnetic the areas of classical and magnetic the the course of classical and magnetic the course of classical and magnetic the course students will be to the course students the course students will be to the course student the course students will be to the course student the course student the course students will be to the course student the tool the course student the course studen			with external and internal structure of lower and higher group of organisms, lichens and its types, plant diseases and causal organisms practically.
Laboratorybe able toLaboratory1. Calculate the value of "g" using dift types of pendulums. 2. Determine the various quantities re to fluid mechanics.Mathematics: AlgebraMAT- 101Image: B.Sc 2 <sup>nd</sup> semesterZoology: Functional Anatomy Of Non- ChordataMAT- 101B.Sc 2 <sup>nd</sup> semesterZoology: Functional Anatomy Of Non- ChordataZOO- 202Differentiate the areas of classical and m 3. Apply Trigonometry in real life geometri problemsDifferentiate the areas of classical and m 3. Apply Trigonometry in real life geometri problemsDifferentiate the areas of classical and m 3. Apply Trigonometry in real life geometri problemsDifferentiate the areas of classical and m 3. Apply Trigonometry in real life geometri protozoa to echinodermata.Anatomy Of Non- ChordataZOO- 202Differentiate the animal kingdom. 2. To understand the animal kingdom. 3. To understand the general charact of animals belonging to protozo echinodermata.Anatomy Of Non- ChordataTo understand the body organiza protozoa to echinoder 5. To understand the origin and evolu			<ol> <li>Will be able to grasp the knowledge of the introductory parts of classical physics or Newtonian Mechanics that from the very foundation of physics.</li> <li>Will be able to identify the type of motion and their dynamics – both translational and rational and solve problems consequently.</li> <li>Through the introduction of 'Special Theory of relativity', will be able to grasp the knowledge of relativistic mechanics. This will help them in having the basis of further and higher studies in</li> </ol>
Algebra101to1. Find different application of Algebra2. Differentiate the areas of classical and m3. Apply Trigonometry in real life geometriB.Sc 2 <sup>nd</sup> SemesterFunctionalAnatomy Of Non- ChordataChordata202203204205205206207208209209201201202203203204205205206207208209209201201202203204205205206207208209209201201202202203203204205205206206207208209209209201201202203204205205206207208209209209209209209209209209209209209209209209209209209			<ol> <li>Calculate the value of "g" using different types of pendulums.</li> <li>Determine the various quantities related</li> </ol>
<ul> <li>semester Functional Anatomy Of Non-Chordata</li> <li>202</li> <li>1. To understand the animal kingdom.</li> <li>2. To understand the taxonomic posiprotozoa to echinodermata.</li> <li>3. To understand the general charact of animals belonging to protoze chinodermata.</li> <li>4. To understand the body organiza phylum from protozoa to echinoder</li> <li>5. To understand the origin and evolu</li> </ul>			<ol> <li>Find different application of Algebra</li> <li>Differentiate the areas of classical and modern</li> <li>Apply Trigonometry in real life geometrical</li> </ol>
protozoa to echinodermata. 6. To explain general characte	semester	Functional Anatomy Of Non-	<ul> <li>protozoa to echinodermata.</li> <li>3. To understand the general characteristics of animals belonging to protozoa to echinodermata.</li> <li>4. To understand the body organization of phylum from protozoa to echinodermata.</li> <li>5. To understand the origin and evolutionary relationship of different phylum from protozoa to echinodermata.</li> </ul>

	Zoology: Practicals based on ZOO-202	ZOO- 202P	<ul> <li>On completion of the courses students will be able</li> <li>1. To understand the digestive and nervous system of Neries, cockroach and Pila.</li> <li>2. To identify the different invertebrates specimen.</li> </ul>
	Chemistry: Inorganic, Organic and Physical Chemistry	CH-202	<ul> <li>On completion of the course student will be able <ol> <li>To understand acid &amp; bases, oxidation &amp; reduction, non-aqueous solvents and chemistry of s-block elements.</li> <li>To understand stereochemistry of organic compounds, arenes&amp;aromaticity, alkyl halides &amp; aryl halides and alcohols.</li> <li>Organic practical on determination of melting point, boiling point &amp; mixed melting point, distillation, crystallization, decolorization&amp; crystallization using charcoal.</li> <li>To understand solutions, dilute solutions, colloids &amp; surface chemistry, thermodynamics.</li> </ol> </li> </ul>
	Botany: Gymnosperms, Angiosperm, Applied Botany and Embryology	BOT- 202	<ul> <li>Upon completion of the course, students would - <ol> <li>Understand the morphology, classification and reproduction of Gymnosperms and formation of fossils, Geological time scale of different ages.</li> <li>Discussed miutely the morphology, classification, reproduction of Angiospermic plants both Monocotyledonous and Dicotyledonous plants with economic importance.</li> <li>Understand the origin, cultivation and improvement of rice, Potato,etc. and processing of Tea and the medieval plants used by different races ethinically.</li> <li>Understand the development of male and female gametophytes causes such as allergy.</li> <li>Understand the structure, organization, primary and secondary growth in plants and anomalous secondary growth.</li> <li>Understand the preparation of morphological and reproductive structures of virus, bacteria, fungi, lichens, algae, bryophytes and pteridophytic plants through practicals in the laboratory.</li> </ol></li></ul>
ODAN CCL. +C	Physics: Thermal Physics And Optics	PHY- 202	completion of the course the students will be: - 1. Aware of the various processes in everyday life concerning heat and thermodynamics. This will also form the basis of the study of Statistical Mechanics

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	-			<ul> <li>in further studies.</li> <li>2. Able to understand the various optical phenomena, aided by their knowledge of geometrical optics in the secondary classes and the laboratory experiments.</li> <li>3. Able to develop their basic knowledge of quantum optical phenomena, mostly involving LASERs. This will help them in their future studies related to Atomic Molecular spectra.</li> </ul>
		Physics: Laboratory		<ul> <li>On completion of the practical, the students will be able to <ol> <li>Construct a thermocouple and verify Newton's law of cooling</li> <li>Determine the coefficient of expansion and frequency of matters using different methods.</li> <li>Determine the refractive index of a liquid.</li> </ol> </li> </ul>
		Mathematics: Calculus	MAT- 202	On completion of the course, students will 1. Find different applications of Calculus 2. Be able to understand Differential & Integral Calculus 3. Appreciate the use of ODE
	B.Sc 3 <sup>rd</sup> semester	Zoology: Functional Anatomy of Chordata	ZOO- 303	<ul> <li>3. Appreciate the use of ODE</li> <li>On completion of the course students will be able <ol> <li>To understand what the chordates are.</li> <li>To understand different categories of chordates.</li> </ol> </li> <li>3. To understand the general characters of chordates.</li> <li>4. To understands the level of organization in chordate subphylum.</li> <li>5. To understand the origin and evolutionary relationship in different classes of vertebrates.</li> <li>6. To identify the poisonous and non-poisonous snakes.</li> <li>7. To write down classification of Aves and Flight adaptation in birds.</li> </ul>
		Zoology: Practicals based on ZOO-305	ZOO- 303P	<ul> <li>On completion of the courses students will be able</li> <li>1. To understand the afferent and efferent branchial vessels of Scoliodon and the cranial nerves of Scoliodon and Frog.</li> <li>2. To identify the different vertebrate specimens.</li> </ul>
		Chemistry: Inorganic, Organic and Physical Chemistry	CH-303	<ul> <li>On completion of the course student will be able</li> <li>1. To understand metallurgy, chemistry of p- blocks elements, general properties of d- blocks elements, coordination chemistry.</li> <li>2. To understand phenols, ethers and</li> </ul>

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			<ul> <li>epoxides, aldehydes &amp; ketones, organic compound of nitrogen</li> <li>3. To understand thermochemistry, thermodynamics II, chemical equilibrium and chemical kinetics.</li> <li>4. Physical chemistry practical on surface tension, viscosity &amp; pH measurement</li> </ul>
	Botany: Plant Geography, ecology, Plant physiology and Molecular biology	BOT- 303	<ul> <li>Upon completion of the course, students would -</li> <li>1. Know in detail Plant geography, its scope and importance, different phytogeophical regions in India, factors affecting in distribution, dispersal and migration methods.</li> <li>2. Understand the ecosystem, mineral cycle, ecological adaptation of different habitat and ecological succession.</li> <li>3. Be able to interpret the physiological functions of plants with growth and development and biological nitrogen fixation.</li> <li>4. Understand the bichemistrical process such as proteins, nucleic acids, vitamins, etc. and different mechanisms of enzyme action.</li> <li>5. Acquire knowledge of gene organization, biosynthesis of nucleic acids, DNA, RNA replication and mechanisms of protein synthesis.</li> <li>6. Determination of frequency of vegetation, physicological experiments, etc. practically confirmed in the laboratory.</li> </ul>
	Physics: Electricity And Magnetism	PHY 303	<ul> <li>Upon completion of the course, students would –</li> <li>1. The prerequisite knowledge of vector algebra (especially vector differentiation and integration), in addition classes, is introduced.</li> <li>2. The concepts and theories related to electricity and magnesium are introduced separately so as to visualize the analogies between these two phenomena, which were, in fact, believed to be separate before its development.</li> <li>3. Finally, in the later parts of the syllabus, the combination of electricity and magnetism to result in a new subject called 'Electromagnetism' is introduced.</li> </ul>
COLLEG	Physics: Laboratory		On completion of the practical, the students will be able to 1. Calculate horizontal component of earth's magnetic field and magnetic moment using a deflection magnetometer.

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			<ol> <li>Determine the various quantities such as frequencies, capacitance and inductance of various electrical components.</li> <li>Have the common knowledge on how to use and operate various electrical measuring devices.</li> </ol>
	Mathematics: Geometry	MAT- 303	On completion of the course, students will understand 1. The concept of probability 2. The geometrical interpretation of vectors 3. How to visualize different dimensions
B.Sc 4 <sup>th</sup> semester	Zoology: Environmental Biology, Applied Zoology, Wildlife and Computer application	ZOO- 404	<ul> <li>On completion of the course students will be able</li> <li>1. To Describe Environmental Pollution and its control measures.</li> <li>2. To understand methods of wildlife and conservation and endangered species.</li> <li>3. To describe fresh water, marine and estuarine fisheries.</li> <li>4. To explain Hatchery design and management.</li> <li>5. To describe the techniques in Induced breeding</li> <li>6. To critically analyze a problem and to design, implement, and evaluate a computing solution that meets requirements.</li> </ul>
	Zoology: Practicals based on ZOO-407	ZOO- 404P	<ul> <li>On completion of the courses students will be able</li> <li>1. To identify the biotic and abiotic components of pond.</li> <li>2. To understand the life history of Honeybee, silk moth and fish.</li> </ul>
	Chemistry: Inorganic, Organic and Physical Chemistry	CH-404	<ul> <li>On completion of the course student will be able</li> <li>1. To understand chemistry of lanthanides, actinides noble gases, hard &amp; soft acids &amp; bases</li> <li>1. To understand carboxylic acids, carboxylic acids derivatives, organometallic compounds, polymers.</li> <li>2. To understand catalysis, ionic equilibria (I &amp; II), phase equilibria.</li> </ul>
COLLE	Chemistry: Analytical Chemistry Practical	CH- 404P	On completion of the practical, student will be able 1. To determine hardness of water using EDTA, Estimate nickel using DMG, estimate calcium content in chalks as calcium oxalate by permanganometry. estimate sugar by titration with standard Fehling's solution, Benedicts solution etc.

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	Botany: Cytogenetics, Biotechnology and Biometric	BOT- 404	<ul> <li>Upon completion of the course, students would -</li> <li>1. Acquire knowledge of ultrastructure of cell, chemical composition of chromatin and concept of cell division.</li> <li>2. Learn about the interpretation of Mendel's principles, acquire knowledge on cytoplasmic inheritance and sex linked inheritance.</li> <li>3. Understand the breeding behavior, methods along with self and cross pollination.</li> <li>4. Acquire knowledge of genetic engineering in plant improvement and biotechnology and medicine, agriculture and human welfare.</li> <li>5. Understand the biometry process such as collection of data, sampling of mean, median, standard deviation and chi-square test.</li> <li>6. Practical analysis of different stages of cell division, callus induction, preparation of culture media sterilization and inoculation of plant material and analysis of data for mean, median, sterilization and inoculation of plant material and analysis of data for mean, median, sterilization and malysis of data for mean, median, me</li></ul>
,	Physics: Atomic and Nuclear Physics	PHY-404	<ul> <li>standard deviation.</li> <li>On completion of the course, the students will be aware of <ol> <li>On how to measure the atomic mass of an atom using different spectrographic techniques. Also, they will learn about - rays and its properties.</li> <li>Hydrogen spectrum, electron spin and the different laws governing an atom as well as its magnificent and unique properties of an electron.</li> </ol> </li> <li>Radioactivity and properties of nucleus, half life of a nucleus and how to identify the age of an organic material through the concept of carbon dating. Also, they will learn about the different types of radiations and its hazards along with the unique and distinct that each of the rays possess.</li> <li>How to accelerate a particle close to the speed of light and also how to detect fundamental particles using different detectors.</li> <li>Nuclear reactions, types of nuclear reactions and its uses in our society and economy.</li> </ul>
-	Physics:		On completion of the practical, the students will have the basic knowledge on how to

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				<ol> <li>Operate and use a spectrometer for studying various properties of light.</li> <li>Use a potentiometer for calculating an internal resistance of a cell and also measuring a current in an external circuit.</li> </ol>
		Mathematics: Mechanics	MAT- 404	On completion of the course, students will 1. Know the difference between Statics and Dynamics 2. Find the use of Rigid Dynamics 3. Be able to connect Physics and Mathematics in problem solving
	B.Sc 5 <sup>th</sup> semester (HONO URS)	Zoology: Cell Biology And Genetics	ZOO- 505	<ul> <li>On completion of the courses students will be able</li> <li>1. To descibe cell cycles and its regulation.</li> <li>2. To write down molecular biology techniques.</li> <li>3. To explain causes and role of extinction in evolution.</li> <li>4. To identify chromosomal mutations and in borne errors of metabolism.</li> <li>5. To describe differences between prokaryotic and Eukaryotic cells.</li> </ul>
		Zoology: Evolution, Ethology, Biotechnology And Bioinstumentation	ZOO- 506	<ul> <li>On completion of the courses students will be able</li> <li>1. To describe evolutionary history of man.</li> <li>2. To describe origin of species on earth.</li> <li>3. To explain the scope of Biotechnology.</li> <li>4. To describe Innate and Acquired types of behaviour.</li> </ul>
		Zoology: Practical Based On ZOO-509 & ZOO- 510	: ZOO- 507P	<ul> <li>On completion of the courses students will be able <ol> <li>To understand the stages of mitosis and meiosis.</li> <li>To understand the karyotyping of chromosomes.</li> </ol> </li> <li>To understand the different adaptation found in insects.</li> <li>To understand the different types of nest of animals and their parental care.</li> <li>To demonstrate alcohol and soyabean fermentation.</li> <li>To prepare the standard curve of amino acid and protein</li> <li>To demonstrate electrophoresis gel/paper.</li> </ul>
all all	NCOLLEOR	Chemistry: Inorganic Chemistry	CH-505	On completion of the course student will be able 1. To understand nuclear chemistry & radioactivity, chemistry of compounds of non-transition elements, chemistry of 2 <sup>nd</sup> & 3 <sup>rd</sup> transition elements series, alloys & intermetallic compounds, UV-Visible, Infrared spectroscopy, thermodynamic & kinetic aspects of

4

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		metal complexes, environmental chemistry.
Chemistry: Organic Chemistry	CH-506	On completion of the course student will be able 1. To understand carbohydrates, amino acids, peptides & proteins, nucleic acids, fats, oil, detergents, pericyclic reactions, synthetic dyes, steroids, terpenoids, alkaloids & enzymes.
Chemistry: Physical Chemistry	CH-507	On completion of the course student will be able to 1. Understand mathematics for chemists, atomic structure, quantum chemistry-I, photochemistry, energetics, specific heats of solids, statistical thermodynamics, interactions of molecules with electromagnetic radiations, macromolecules, conductance, gcatalysis, ionic equilibria (I & II), phase equilibria.
Chemistry: Inorganic & Physical Chemistry Practical	CH- 508P	On completion of the practical, student will be able to 1. Preparation of inorganic complexes, estimation of two constituents from a binary mixture, semimicro analysis,
Botany: Microbial Diversity, Plan Pathology and Embryophyta	BOT- 505	<ul> <li>Upon completion of the course, students would - <ol> <li>Understand the history of microbiology, classification of microorganisms such as virus, bacteria, microorganisms present in soil, air and water.</li> <li>Get knowledge on role of microbes in human welfare such as in industry of alcohol, antibiotics, vitamins, etc. and food microbiology.</li> <li>Inculcate the importance of plant diseases, biological control measures in different affected plants.</li> <li>Understand the plant disease management and concept of integrated pest disease management.</li> <li>Evolutionary trend, ecological and economic importance of bryophytes and pteridophytes with seed habit and steller evolution in pteridophytes.</li> <li>Explanation on bryophytic plants as the first land plant.</li> </ol></li></ul>
Botany: Advanced Plant Taxonomy, Anatomy, Embryology and	BOT- 506	Upon completion of the course, students would – 1. Understand the concept of progymnosperms, diversity among gymnosperms and their distribution in India and palaebotanical study of fossil



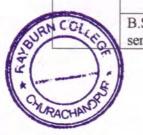
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5 14 Principal RAYBURN COLLEGE Churachandpur, Manipur

	Polynology		<ul> <li>plants especially gymnosperm palnts.</li> <li>2. Understand the practices of plant taxonomy, application of DNA hybridization technique, DNA markers etc, for identification and classification of plants and their economic importance.</li> <li>3. Have a detailed knowledge of plant resources, management, utilization and importance of ethnobotany un genepool and germplasm conservation.</li> <li>4. Understand the embryology in detail with pollen production and dispersion in space and time.</li> <li>5. Understand the detailed internal structure with the formation of internodes, branching pattern, root stem transition and anomalous secondary growth.</li> <li>6. Understand the application of palaecopalynology, mesissopalynology and forensic palaecopalynology.</li> </ul>
	Botany: Practicals	BOT- 507	<ul> <li>Upon completion of the course, students would - <ol> <li>Have practical knowledge in the field of cytology, genetics, plant pathology and anatomy.</li> <li>Understand the preparation of culture media for bacteria and fungi (nutrient agar and PDA) and staining of bacteria and fungi.</li> <li>Studied in detail the symptoms, causal organisms and microscopic studies of diseased plants.</li> <li>Comparatively study the anatomical structures of bryophytes and pteridophytes plants.</li> <li>Dissected angiospermic plants' different parts and measured the ovary size.</li> <li>Studied the germination percentage of pollen grains, prepared pollen slides by acetolysis method.</li> </ol> </li> </ul>
BURN COLLE	Physics: Electronics	PHY- 505	<ul> <li>After the completion of the course, the students will be aware of <ol> <li>Basic circuits and basic circuits models, how to connect an electrical circuit and network laws.</li> <li>Characteristics of a p-n junction diode and its different applications.</li> <li>Bipolar junction diodes characteristics, CE and CB configuration along with its characteristics. Also, the classifications of FETS, MOSFETS and JFET.</li> <li>How amplifiers are constructed using p-n junction diode and MOSFET. Types of</li> </ol></li></ul>

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			<ul> <li>amplifiers and its feedback system.</li> <li>5. Types of oscillators and waveform generators. Types of logic gates along with its algebra.</li> </ul>
	Physics: Mathematical Physics	PHY- 506	<ul> <li>After the completion of the course, the students will be aware of <ol> <li>Complex variables and function of complex variables along with the techniques and laws to solve them.</li> </ol> </li> <li>Special functions such as gamma, beta functions along with their recurrence relations. Different types of polynomials and orthogonality of different functions.</li> <li>Partial differential equations and its application in Physics. Also, they will learn about the different type of mathematical series.</li> </ul>
	Physics: Physics Laboratory	PHY- 507	<ul> <li>On completion of the practical, the students will</li> <li>1. Have the basic knowledge of various electronic components like transistors, diodes and amplifiers.</li> <li>2. Be able to construct digital logic gates and study about their truth tables.</li> </ul>
	Mathematics: Abstract Algebra and Linear algebra	MAT- 505	On completion of the courses, students will understand 1. Abstract mathematical problems 2. Groups theory and rings theory 3. Views of mathematics not only as about numbers 4. Linear transformation of R-space 5. Projection of vectors 6. Orthonormal vectors and Ovedestia former
	Mathematics: Real Analysis	MAT- 506	<ul> <li>6. Orthonormal vectors and Quadratic forms</li> <li>On completion of the courses, students will be able</li> <li>1. To begin counting number to infinity.</li> <li>2. To use sequence as real value problem.</li> <li>3. To understand Riemann integral and its uses</li> <li>4. To evaluate Improper integrals</li> <li>5. To understand Countable and uncountable sets</li> <li>6. To apply Archimedean property</li> </ul>
	Mathematics: Numerical analysis and C programming	MAT- 507	On completion of the courses, students will be able 1. To understand interpolation and newton method of it. 2. To solve mathematical problem in Programming 3. To employ Simpson' s rule of integration 4. To practise C-programming 5. To apply Differential equation in Programming
.Sc 6 <sup>th</sup> mester	Zoology: Animal Physiology	ZOO- 608	On completion of the courses students will be able 1. To understand the metabolic activities in



14 Principal RAYBURN COLLEGE Churachandpur, Manipur

(HONO URS)	And Endocrinology		<ul> <li>mammalian body.</li> <li>2. To understand the various biomolecules in body.</li> <li>3. To understand the structural chemistry of proteins, carbohydrates, fats.</li> <li>4. To understand the functions of biomolecules in body secretion.</li> <li>5. To understand the process of digestion.</li> <li>6. To understand the metabolic activities in mammalian body.</li> <li>7. To understand the types mechanism of working of nerve cells.</li> <li>8. To understand the gaseous transport and the structure involved in gaseous transport in mammalian body.</li> </ul>
	Zoology: Developmental Biology, Histology And Biological Chemistry	ZOO- 609	<ul> <li>On completion of the courses students will be able</li> <li>1. To understand the nature of endocrine glands and their secretion.</li> <li>2. To understand the blood flow in mammalian body.</li> <li>3. To understand how organisms maintain gametic population.</li> <li>4. To understand fertilization process.</li> <li>5. To understand way of cleavage and different patterns to form zygote.</li> <li>6. To understand the fundamental embryonic development.</li> <li>7. To understand the complete process of formation of germ layers.</li> </ul>
	Zoology: Practicals Based On ZOO-612& ZOO-613	ZOO- 610P	<ul> <li>On completion of the courses students will be able <ol> <li>To know effects of isotonic, hypotonic and hypertonic solution on erythrocytes.</li> <li>To prepare haemin crystals.</li> <li>To understand the coagulation of blood</li> <li>To understand the different stages of development in chick.</li> </ol> </li> <li>To understand the general test for identification of carbohydrate, lipid and protein.</li> <li>To understand the separation of amino acid using paper chromatography.</li> <li>To understand the sections of blastula and gastrula of chick and neurula and external gills of frog.</li> </ul>
AURN CCILE	Chemistry: Inorganic Chemistry	CH-608	On completion of the course student will be able 1. To understand bonding in coordination compounds, magnetic properties of transition metal complexes, inorganic polymers, thermoanalytical methods,

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			organometallic chemistry, bioinorganics chemistry, inorganic rings & cages, non- stoichiometric compounds.
	Chemistry: Organic Chemistry	CH-609	On completion of the course student will be able To understand organosulphur compounds, eleimination reactions, organic synthesis via enolates, heterocyclic compounds, medicinal chemistry, chromatography, mass spectroscopy, nuclear magnetic resonance spectroscopy, electron paramagnetic resonance spectroscopy,green chemistry
	Chemistry: Physical Chemistry	CH-610	On completion of the course student will be able 1. To understand computers application in chemistry, quantum chemistryII, spectroscopy(rotational spectra of diatomic molecules, vibrational spectra of diatomic, molecules), Raman spectroscopy, symmetry & point group, electrochemistry(I&II), statistical thermodynamics II, surface active agents, chemical kinetics II, phase equilibria II.
	Chemistry: Organic & Physical Chemistry Practical	CH-611	On completion of the course student will be able to understand qualitative analysis, organic preparation.
	Botany: Ecology, Plant Physiology and Molecular Biology	BOT - 608	<ol> <li>Upon completion of the course, students would -         <ol> <li>Understand the detailed vegetation and floristice regions in different vegetation types and mineral water, water resources, etc. with renewable and non-renewable resources.</li> <li>Understand the ecosystems and pollution with their control measures and climate change, global warming and biodiversity.</li> <li>Have a detailed knowledge of plant physiological process going on and their mechanisms with significant light reactions.</li> <li>Understand water as universal solvent, bioenergeties, enzyme and isozymes and biosynthesis of nucleic acid and protein synthesis.</li> <li>Understand the gene organization, RNA splicing and RNS stability.</li> <li>Have detailed knowledge of denaturation of DNA and different forms of RNA</li> </ol> </li> </ol>
URN COL	Botany: Cell Biology, Genetics, Plant Breeding, Biotechnology and Computer Application	BOT - 609	<ol> <li>Upon completion of the course, students would -         <ol> <li>Understand prokaryotic and eukaryotic cell, mitochondrion and chloroplastand pumps in cellular transport and signaling.</li> <li>Studied in detailGenetics, multiple allelism and quantitative traits with multiple factor hypotheses.</li> </ol> </li> </ol>

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			<ol> <li>Understand the plant breeding with acclimatization of hybrid vigor and mutation.</li> <li>Understand the organogenesis and embryogenesis, agro-bacterium, the natural genetic engineer.</li> <li>Detailed knowledge of computer application software for botanical study.</li> <li>Understand with detailed introduction to bio-informatics tools for assaying advanced techniques.</li> </ol>
	Botany: Practical	BOT - 610	<ul> <li>Upon completion of the course, students would - <ol> <li>Be capable of freely handling the equipments for practical classes.</li> </ol> </li> <li>Be capable to become practically knowledge able about micro-preparation and observation of permanent slides of different genera.</li> <li>Know about isolation, quantification and storage method of DNA, RNA and plasmids to carry out advanced studies like genetic engineering.</li> <li>Be well aware of separation of plant pigments and enzymes by paper chromatograph techniques.</li> <li>Understand the determination of chromosome counts from dividing mother cells, root tips and pollen grains.</li> </ul>
	Physics: Quantum Mechanics	PHY- 608	<ul> <li>After the completion of the course, the students will be aware of <ol> <li>The origin of quantum mechanics along with the interesting properties of subatomic particles.</li> </ol> </li> <li>Basic postulates on the wave nature of particles along with its wave equations describing the particles. Also, they will know about the solution of the wave function of the wave nature of particles.</li> <li>The ability of a particles to penetrate a potential barrier through an effect known as tunnelling effect.</li> </ul>
BURN C	Physics: Physics of Materials	РНҮ – 609	<ul> <li>After the completion of the course, the students will be aware of <ol> <li>The basic knowledge on crystal structures and properties along with its electrical properties of materials.</li> <li>The magnetic properties of materials along with the different modes of vibrations of an atom in a lattice structure.</li> <li>The amazing properties of a conductor to become a superconductor by lowering its</li> </ol></li></ul>

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		<ul><li>temperatures along with the types and properties of a superconductor.</li><li>4. Nanomaterials and its applications in manufacturing industries.</li></ul>
Physics: Physics Laboratory	PHY- 610	<ul> <li>On completion of the practical, the students will have the basic knowledge on how to</li> <li>1. Operate and use a spectrometer for studying various properties of light.</li> <li>2. Calculate the specific charge of an electron.</li> <li>3. Calculate the concentration of a solution using a polarimeter.</li> <li>4. Determine the value of Planck's constant.</li> </ul>
Mathematics: PDE, Laplace transform and Calculus of variation	MAT- 605	On completion of the courses, students will be able 1. To find CI and PI in PDE 2. To understand heat flow and wave equation 3. To understand Euler Lagrange equation 4. To differentiate Homogenous and non- Homogenous PDE 5. To evaluate minimizing and maximizing of functions
Mathematics: Metric Space and Complex Analysis	MAT- 606	On completion of the courses, students will be able 1. To understand the meaning of open and close sets. 2. To understand the Bolzano Weistrass theorem 3. To understand conformal mapping like circle to line 4. To understand convergence of Cauchy sequence. 5. To understand singularities and Laplace equation
Mathematics: (Optional) 1. Elementary Number Theory 2. Higher Mechanics 3. Special Theory of Relativity & Tensor 4. Astronomy	MAT- 607	<ul> <li>On completion of the course, the students will be able</li> <li>1. Learn about working with numbers.</li> <li>2. Develop higher mechanics skills.</li> <li>3. Have in depth knowledge of Tensor Analysis and</li> <li>4. Astronomy based on their choice of paper</li> </ul>



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#### DEPARTMENT OF HISTORY RAYBURN COLLEGE

### COURSE OUTCOME FOR POST GRADUATE STUDENTS (MA MODERN HISTORY)

## 1<sup>ST</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
MPSC-101	Western Political Thought: Part I	<ul> <li>To make the students aware of the</li> <li>1. Relevance of the ancient Greek political institutions in the present context;</li> <li>2. the importance of Greek reason in politics;;</li> <li>3. scientific study of politics;</li> <li>4. the importance of Christian religious teachings and their reconcilement with Greek</li> <li>reason; and</li> <li>5. the circumstances leading to the emergence of nation states and power politics.</li> </ul>
MPSC-102	Indian Political System	The students gain in-depth knowledge about -



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		1. The philosophical foundations of the Indian Constitution.
		2. The actual nature and dynamics of the working of the Indian Political system.
		3. The important issues and challenges confronting the working of India's democracy.
		4. The relationship between political system and social system in India.
		5. The changing dynamics of the Indian Political system.
MPSC-103	Public Administration	1. Students would get awareness about the evolution and growth of the discipline of Public
	the second s	Administration.
		2. Students would learn about basic principles and approaches of Public Administration.
		3. They would be able to understand the theoretical clarity of basic concepts and dynamics
		(both ecological and others) relating to Public organizations.
		4. Identify and describe the major theories of public organizations, and bureaucratic
		behavior.



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		<ul><li>5. Demonstrate knowledge of the institutional, political and ethical context within which</li><li>public services are delivered.</li></ul>
		<ul><li>6. Identify key provisions of the Constitution and public laws.</li></ul>
MPSC-104	International Relations	1. Impart essential knowledge about the fundamental theories of International Relations.
		2. Provide basic knowledge regarding the National Power and the Balance of Power.
		3. Study various aspects of the Cold War and the place of Ideology in International
		Relations.
		4. Inculcate knowledge concerning Non-alignment past and present, and Resolution of
		Conflict.
		5. Study various aspects of Nuclear Disarmament, Collective Security, and Globalisation.
MPSDSE*		



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## 2<sup>ND</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
MPSC-201	Western Political Thought: Part II	<ul> <li>The students gain in-depth knowledge to the students about the following</li> <li>1. Genealogy of the Modern in Western Political Thought</li> <li>2. Social Contract or Agreement as Basis of Authority</li> <li>3. Liberal and Individualist Traditions in Western Political Tradition</li> <li>4. Theories of Justice</li> <li>5. Critique of Hannah Arendt</li> </ul>
MPSC-202	Indian Administration	<ol> <li>Students understand how the present system of Indian administration evolved.</li> <li>Students acquired knowledge about the structure and functions of Government at different levels- centre, state and local.</li> <li>Students came to know the various administrative reforms made by the Government from time to time.</li> </ol>



10 Principal RAYBURN COLLEGE Churachandpur, Manipur

		<ul><li>4. Enable the Students to understand the true meaning of corruption</li><li>5. Students learn the various anti-corruption laws passed by the Government.</li></ul>
MPSC-203	Comparative Political Analysis	
MPSC-204	India's Foreign Policy	<ol> <li>Acquire basic knowledge about the foundations and principles of India's Foreign Policy.</li> <li>Impart fundamental issues of Indo-Pak Relations.</li> <li>Learn central issues affecting Sino-India Relations.</li> <li>Gain essential knowledge on various aspects of Indo-American Relations.</li> <li>Provide major issues of Indo-Soviet/Russia Relations</li> </ol>
MPSDSE*	One of the 7 DSE Papers	

3<sup>RD</sup> SEMESTER



Principal RAYBURN COLLEGE Churachandpur, Manipur

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
MPSC-301	Social and Political Thought Modern India	They learn
		1. Social and political thought of modern India which was evolved during the Indian
		National movement
		2. The influence of the philosophical traditions of ancient India on the social and political
		thought of modern India.
		3. The important aspects of the philosophy of Mahatma Gandhi.
		4. In-depth knowledge about the socialist and communist thought and movement as evolved
		in India during the national movement.
		5. The relevance of social and political thought of modern India in contemporary world.
MPSC-302	Contemporary Issues in Political Theory	



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MPSC-303	South East Asian Studies	The students learn in-depth knowledge about the following:
		1. History of the Contemporary South East Asia
		2. Geostrategic, Economic Growth and Cultural Complexities
		3. Great Power Dynamics in South east Asia
		4. Evolution of Act East Policy
		5. Significance of the Indo-Pacific Region
MPSDSE*	One of the 7 DSE Papers	
CBCS Paper	Indian Political System	1. Acquired knowledge about political system and social system
		2. Learn the process and models of political system
		3. Study Behavioural Revolution and Post-Behaviouralism
		4. Understand Heuristic model and its application to the study of politic
		5. Learn Class and Elite Approach to the study of politics

4<sup>TH</sup> SEMESTER



122-

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Principal RAYBURN COLLEGE Churachandpur, Manipur

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
MPSC-401	Government and Politics in Manipur	The students gain in-depth
		1. Understanding of the actual nature and dynamics of the working of the government and
		politics in Manipur.
		2. Knowledge about the relationship between politics and the social environment in the
		context of Manipur.
		3. Understanding about the changing dynamics of government and politics in Manipur.
		4. Understanding about the dynamics of ethnic politics in Manipur.
		5. Understanding about the different aspects of political development inside the state.
MPSC-402	Socialist Thought	1. Gain basic knowledge of Pre-Marxian socialist ideas.
		2. Learn essential features of Marxism.
		3. Gain main ideas of Leninism.



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		<ul> <li>4. Learn important theories of Stalinism.</li> <li>5. Acquire essential teachings of the ideas of Mao Ze-dong and Rosa Luxemberg on</li> <li>Socialism.</li> </ul>
MPSC-403	Project Work	
MPSDSE	One of he 7 DSE Papers	
CBCS Paper	Government and Politics in Manipur	<ul> <li>The students gain in-depth</li> <li>1. Understanding of the actual nature and dynamics of the working of the government and</li> <li>politics in Manipur.</li> <li>2. Knowledge about the relationship between politics and the social environment in the</li> <li>context of Manipur.</li> <li>3. Understanding about the changing dynamics of government and politics in Manipur.</li> <li>4. Understanding about the dynamics of ethnic politics in Manipur.</li> </ul>



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	5. Understanding about the different aspects of political development
	inside the state.



\_\_\_\_ )\_2 Principal RAYBURN COLLEGE Churachandpur, Manipur

#### DEPARTMENT OF HISTORY RAYBURN COLLEGE

## COURSE OUTCOME FOR POST GRADUATE STUDENTS (MA MODERN HISTORY)

1<sup>ST</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
HSM-101 (COMPULSORY)	HISTORY OF MANIPUR FROM EARLY TIMES TO 1467	The students will learn the nature of sources and historical writing on Manipur. The pre and proto-history as well as the state formation and socio-cultural life of the people will be emphasized in detail.
HSM-102 (COMPULSORY)	EAST ASIA 1839-1950	The students will learn the contact of China with the West; rebellions and reform movements in China; nationalism and revolutions in China.
HSM-103(C)	POLITICAL HISTORY OF MODERN INDIA 1757-1858	Emergence of European trading companies, their dominance in India; establishment and expansion of East India Company in India; and the revolt of 1857.
HSM-104(C)	MEDICINE AND PUBLIC HEALTH IN MODERN INDIA	Historiography of medical history; medical history writing and public health system; and history of epidemics and their measures of control in India.
HSM-105(C)	HISTORY OF BORDERS BORDERLAND IN INDIA	Concepts of frontier, border and borderland societies; border-making and its impact on borderland; and cross-border trade and environmentalism in the borderland.



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## 2<sup>ND</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
HSM-201 (COMPULSORY)	HISTORY OF MANIPUR FROM 1467- 1826	The process of consolidation of the Meitei state; Khagemba as a nation builder; process of sanskritization; administrative reforms under Garib Niwaz and Burmese invasion of Manipur.
HSM-202 (COMPULSORY)	SOUTH EAST ASIA 1800-1945	Establishment of colonial rule and their administrative system in the Southeast Asia; colonial rule in Malaysia, Burma, Indo-China; and growth of nationalist movements in Southeast Asia.
HSM-203(C)	COLONALISM AND CAPITALISM	The concepts and debate on feudalism, mercantilism, colonialism, imperialism and capitalism.
HSM-204(C)	SOCIAL HISTORY OF MODERN INDIA	British social policy towards Indian society; concepts and theories of social change, untouchability and gender history; and growth of western education and its impacts.
HSM-205(C)	GENDER AND SOCIETY IN MODERN INDIA	Concepts and theories in gender studies; colonial discourse on women such as female infanticide, dowry, sati, education and widow remarriage; and contemporary debate such as gender, inequality, gender and development.



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## 3<sup>RD</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
HSM-301 (COMPULSORY)	HISTORY OF MANIPUR 1826-1949	The history and historical development of Manipur; its relation with colonial state; establishment of british paramountcy and the merger of Manipur with India.
HSM-302 (COMPULSORY)	HISTORY OF NORTH EAST INDIA	The process of conceptualization of northeast as a region; colonial expansion and annexation in northeast India and Manipur during WWI.
HSM- 303(COMPULSORY)	FREEDOM MOVEMENT IN INDIA	The origin, theoretical background and approaches to the study of Indian nationalism; freedom movements under different organizations and attainment of independence and partition.
HSM-304(C)	ECONOMIC HISTORY OF MODERN INDIA	Transformation in agriculture history of India and the land and class structure in rural India; industrialization and foreign trade of India; impact of british economic policy.
HSM-305(C)	SUB NATIONALIST MOVEMENTS AND INSURGENCY IN NORTH EAST INDIA	The concepts, theories and debated on nationalism and sub-nationalism; colonial state and its politics of exclusion in northeast India and the history of WWII and freedom movements in northeast India.



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## 4<sup>TH</sup> SEMESTER

PAPER CODE	COURSE TITLE/PAPER	COURSE OUTCOME
HSM-401 (COMPULSORY)	WORLD HISTORY 1775-1919	The rise of modern west since the 18 <sup>th</sup> century and the rise of nationalism in western Europe will be highlighted.
HSM-402 (COMPULSORY)	HISTORIOGRAPHY	The students will learn the different school of thoughts in history writing. The different approaches, methods and writing of dissertation, etc. will be emphasized.
HSM-403(C)	ENVIRONMENT HISTORY OF INDIA	The students will learn the basic concepts and debates on environmental history of India.
HSM-404(C)	POST COLONIAL INDIA 1947-2000	The emergence of Indian Republic and the working of democratic government and the challenges in contemporary India; the history of social development, economic reforms, globalization, education, etc.
HSM-405(A,B,C)	DISSERTATION	How to do historical research based on primary sources, how to do field- based research, collecting oral sources, how to critically analyze facts and interpret them into historical knowledge.



Principal RAYBURN COLLEGE Churachandpur, Manipur

# **Department Of Commerce**

# **RAYBUN COLLEGE**

# **Course Outcome For MASTER OF COMMERCE**

Semester-I: (All core courses)

Paper Code	Course Title/Paper	Course outcome
MCCC-101	ENTREPRENEURSHIP DEVELOPMENT AND SMALL BUSINESS MANAGEMENT	After the course is completed, the students will be exposed to entrepreneurial culture and industrial growth and be enabled to set up and manage small business units
MCCC-102	FINANCIAL MANAGEMENT	The course will help the students understand various issues involved in financial management of a company and equip them with advanced tools and techniques along wi8th its application in the corporate world.
MCCC-103	BUSINESS STATISTICS	Upon completion of the course, the students would have learnt the application of Business Statistical Analysis and Operation Research (Quantitative Technique) that can be applied in real life business situation and decision-making.
MCCC-104	MARKETING MANAGEMENT	Upon completion of the course, the students would understand the conceptual framework of marketing and its applications in decision making under various environmental constraints.
MCCC-105	INTERNATIONAL BUSINESS	On completion of the course,, the students would learn about international business environment including international financial management, international accounting and international currency along with the impact of globalization on Indian industry.



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Semester-II: (All core courses)

Paper Code	Course Title/Paper	Course outcome
MCCC-201	ADVANCED MANAGEMENT ACCOUNTING	The students would be acquainted with the accounting concepts, tools and techniques for managerial decisions when they complete the course.
MCCC-202	FINANCIAL INSTITUTIONS AND MARKETS	The course will help the students understand the functioning of financial markets and institutions and their role in the Indian economy.
MCCC-203	MANAGERIAL ECONOMICS	The aim of the course is to provide an understanding of economic principles related to business planning and decision-making.
MCCC-204	BUSINESS STRATEGIC MANAGEMENT	Upon completion of the course, the students would have an enhanced decision-making ability in situations of uncertainty in a dynamic business environment.
MCCC-205	HUMAN RESOURCE MANAGEMENT	On completion of the course,, the students would familiarize themselves with the main aspects of human resource management and apply it at organizational level.



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## Semester-III: (All core courses)

Paper Code	Course Title/Paper	Course outcome
MCCC-301	BUSINESS RESEARCH	Upon completion of the course, students will have an understanding of the research process, tools and techniques in order to facilitate managerial decision- making
MCCC-302	BUSINESS ETHICS AND CORPORATE GOVERNANCE	The course will develop the understanding about the role of corporations in society and boards' role in keeping oversight on the functioning of the company, global developments in Governance and Corporate Citizenship. It will also provide students about necessary knowledge and skills for building professional boards, stakeholder engagement and shareholder activism.
MCCC-303	BUSINESS ENVIRONMENT AND POLICY	The course will develop, in the students, ability to understand and scan business environment, analyse opportunities and take decision under uncertainty
MCCC-304	GLOBAL FINANCIAL REPORTING AND DISCLOSURE	The course aims to develop the understanding about present-day management accounting techniques and to develop the skills and competencies that management accounts in order to take advantage of the opportunities offered by new management accounting techniques.
MCGC-305 (Generic Elective course)	PERSONAL FINANCE AND ACCOUNTING	This course will equip students with basic knowledge of Personal Finance and its strategies of managing personal finance so that they make rational financial decisions



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Semester-IV: Discipline Specific Electives (Accounting)

Paper Code	Course Title/Paper	Course outcome
MCEC-401	STRATEGIC COST ANALYSIS AND PERFORMANCE EVALUATION	Upon completion of the course, students will have an insight into the methods and techniques developed to support the modern cost management practices
MCEC-402	ADVANCED CORPORATE ACCOUNTING	The course will make the students understand the procedures adopted in various accounting situations and get an overview of International Financial Reporting Standards.
MCEC-403	FINANCIAL STATEMENT ANALYSIS	Upon completion of the course, the students will understand the procedures adopted in various financial situations and get an overview of International Financial Statement.
MCEC-404 (Compulsory Paper)	Dissertation and Viva-Voce	The course will help students understand about research and writing of papers.
MCGC-405 (Generic Elective course)	STARTUP VENTURE MANAGEMENT	This course will acquaint students about the various policies, programme and rules and regulations of establishing new enterprises.



2 Principal RAYBURN COLLEGE Churachandpur, Manipur

2





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**Declaration:** 

I hereby declare that the details and information given above are complete and true to the best of my knowledge and belief.



2

Rev. Dr. Khen P. Tombing Principal RARYBURN COLLEGE

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