

Programme Outcomes Course Outcomes

Academic session 2016-2017

Bachelor of Arts, Bachelor of Commerce& Bachelor of Science

Bhiwapur Mahavidyalaya, Bhiwapur Course Outcomes and Programme Outcomes Index

Bachelor of Arts

α •			Bachelor of	·
Session	Course	Semester	Sr. No.	Subject
	B. A.	First	1	English
			2	Marathi
			3	Political Science
			4	Economics
			5	English Literature
			6	Sociology
			7	History
			8	Marathi Literature
1	4/		9	Ambedkar Thought
4	T//	Second	10	English
4	//	131	111	Marathi
*/		2/1.	12	Political Science
	/ /	5	13	Economics
, //	5		14	English Literature
* //		C mindely	15	Sociology
2016-2017	10	and the same	16	History
	1	-	17	Marathi Literature
	(6)	16	18	Ambedkar Thought
	B	Third	19	English
- 1 1		1	20	Marathi
			21	Political Science
チ \	ता	नसा ग रिक्र	22	Economics
'\\			23	English Literature
			24	Sociology
4			25	History
4			26	Marathi Literature
-	1		27	Ambedkar Thought
,		Fourth	28	English
		-	29	Marathi
			30	Political Science
			31	Economics
			32	English Literature
			33	Sociology
			34	History
			35	Marathi Literature
			36	Ambedkar Thought
		Fifth	37	English
		1 11111	38	Marathi
			39	Political Science
			40	Economics Economics
			40	Economics

		41	English Literature	
		42	Sociology	
		43	History	
		44	Marathi Literature	
		45	Ambedkar Thought	
	Sixth	46	English	
		47	Marathi	
		48	Political Science	
		49	Economics	
		50	English Literature	
		51	Sociology	
		52	History	
		53	Marathi Literature	
		54	Ambedkar Thought	
Bachelor of Commerce Services Course Services Se				

Session	Course	Semester	Sr. No.	Subject
4//	B. Com.	First	1	English
*//			2	Marathi
			3	Financial Accounting- I
	100	(4	Business Organization
KII	4		5	Company Law
			6	Business Economics- I
		Second	7	English
$X \setminus X$	ता	TITLE I	8	Marathi
	1 (1 4	1711	9	Statistics and Business Mathematics
		13	10	Business Management
X-1			11	Secretarial Practice
			12	Business Economics-II
	4/,	Third	13	English
			14	Marathi
2016-			15	Financial Accounting- II
2016-			16	Business Communication and
2017				Management
			17	Business Law
			18	Monetary Economics-I
		Fourth	19	English
			20	Marathi
			21	Financial Accounting-III
			22	Skill Development
			23	Income Tax
			24	Monetary Economics-II
		Fifth	25	Financial Accounting-IV

	26	Cost Accounting
	27	Management Process
	28	Indian Economics-I
	29	Computerized Accounting
	30	Auditing
Si	xth 31	Financial Accounting-V
	32	Management Accounting
	33	Advanced Statistics
	34	Indirect Economics-II
	35	Human Resource Management
	36	Industrial Law

Bachelor of Science (Physics, Chemistry, Mathematics, Zoology and Botany)

Session	Course	Semester	Sr. No.	Subject
*//	B.Sc.	First	1	English
	600	A Control of the Cont	2	Marathi
			3	Chemistry I & II
			4	Physics I & II
	105	(T	5	Mathematics I & II
KIII	-		6	Zoology I & II
2016-2017		19	39	Botany I & II
		Second	8	English
X V	तम	मा मा	9	Marathi
7 \ \	(14	ता ना	10	Chemistry I & II
			11	Physics I & II
*/		20	12	Mathematics I & II
		107.	13	Zoology I & II
			14	Botany I & II
		Third	15	Chemistry I & II
			16	Physics I & II
	X		17	Mathematics I & II
			18	Zoology I & II
		7	19	Botany I & II
		Fourth	20	Chemistry I & II
			21	Physics I & II
			22	Mathematics I & II
			23	Zoology I & II
			24	Botany I & II
		Fifth	25	Chemistry I & II
			26	Physics I & II
			27	Mathematics I & II

	28	Zoology I & II
	29	Botany I & II
Sixth	30	Chemistry I & II
	31	Physics I & II
	32	Mathematics I & II
	33	Zoology I & II
	34	Botany I & II

Bachelor of Arts

Departmentof English Semester – I Course Objectives and Course Outcomes Compulsory English

ProgrammeOutcomes

- CO1. Comprehend the use of language and grammar in the given context.
- CO2. Demonstrate advanced critical thinking skills.
- CO3. Communicate in a variety of contexts and genres.
- CO4. Equipped with Listening, Speaking, Reading and Writing skills.
- CO5. Imbibe the nuances of analyzing a text and reproduce with proper interpretations.

Programme Specific Outcomes (PSOs)

- PSO1. A vailing job opportunities in translation, trans formation and media.
- PSO2. Developing acritical attitude about literary studies.

PSO3. Imbuing literary research attitude.

Course Objectives

- To understand the interrelationship between works of literature and society.
- To explain the nature of language and literature.
- To obtain the skill of appreciation for literary works.
- To imbue the skill so fessay writing.
- To be able to illustrate the nature of literary form slike one-act-play, travelogues, and short story.

Course Outcomes

- Understood the interrelationship between works of literature and society.
- Explained the nature of language and literature.
- Obtained the skill of appreciation for literary works.
- Imbued the skill so fessay writing.
- Succeeded in illustrating the nature of literary form slike one-act-play, travelogues, and short story.

Department of Marathi Course Objectives and Course Outcomes Compulsory Marathi

साहित्यरंग भाग-1

Unit I:

प्रकरण—१ .उद्दिष्ठ— लीळाचरित्रातील मराठी भाषेची जाणीव विद्यार्थ्यांना करुण देणे.

साध्य— विद्यार्थ्यांना लीळाचरित्रातील गद्य मराठी भाषेची ओळख झाली.

प्रकरण—२.उदिष्ठ—शिवकालीप मराठी गद्य भाषाशैली व आज्ञापत्रातील अमात्याची लेखनशैलीची ओळख करणे.

साध्य—आज्ञापत्रातील मराठी गद्य भाषाशैली, अमात्याच्या लेखनशैली वरून छत्रपतीच्या स्वराज्य रक्षणाची जाणीव विद्यार्थ्यांना झाली.

प्रकरण—३.उद्घ— महात्मा फुले यांनी भारतीय शेतकऱ्यांच्या उत्थानासाठी सांगीतलेले उपाय.

साध्य-शेतकऱ्यांची प्रगती व्हावी म्हणून विद्यार्थ्यांनी म. फुल्यांनी शेतीबध्दल सुचविलेले उपाय समजून घेतले.

प्रकरण—४.उदिष्ठ—साने गुरुजींनी सांगीतलेली संस्कृती विषयी विद्यार्थ्यांना बोध करणे.

साध्य—सकळ संस्कृतीचा पाया प्रेम असून प्रेमावर संस्कृती आधारलेली असल्याचे विद्यार्थ्यांनी आत्मसात केले.

प्रकरण—५.उद्घि—शंभर दिडशे वर्षापूर्वी समाजात स्त्रियांना सासूरवास कसा सहन करावा लागायचा याची जाणीव विद्यार्थ्यांना करणे.

साध्य-लक्ष्मीबाई टिळकांना झालेल्या सासूरवासाचे चित्रणामुळे विद्यार्थ्यांना सासूरवासाबध्दल जाणीव झाली.

Unit II:

कविता— १.उद्दिष्ठ—संत ज्ञानेश्वरांनी हरिपाबातून सांगीतलेल्या नामस्मरणाचे महत्व पटवून देणे.

साध्य—हरिच्या नामस्मरणाने संसारातील अनेक प्रकारच्या दु:खातून व संकटातून मुक्ती मिळते याची जाणीव विद्यार्थ्याना झाली.

कविता—२. उदिष्ठ—हंस—नल संवादातून तेराव्या शतकातील पंडिती काव्यशैलीची ओळख विद्यार्थ्यांना करुन देणे.

साध्य—नल—दमयंती आख्यान काव्याची रघुनाथ पंडितांनी रचलेली आख्यान काव्याची ओळख विद्यार्थ्यांना झाली किवता—३.उद्ष्ठि—घन:श्याम सुंदरा या भूपाळीतून शाहिरी काव्य व प्रात:समयीचे रम्य वातावणाची जाणीव करुन देणे.

साध्य—शाहीर होणाजी बाळा यांचे शाहिरी काव्यातूनव प्रभात समईचे रम्य वातावरणाची जाणीव विद्यार्थ्यांना झाली. किवता—४.उद्षिट—स्फूर्ती कवितेतून केशवसुतांनी समाजातील रुढी, अन्याय, अत्याचाराला नाहीसे करण्याकरिता केलेल्या बंडाची विद्यार्थ्यांना जाणीव करणे.

साध्य—कवितेतून समाजातील अन्याय, अत्याचार कविच्या काव्य लेखनामुळे व समाजाला काव्यातून उद्बोधन केल्याने झाली हे विद्यार्थ्यांना कळून आले.

कविता—५.उद्षिट—खेडयातील रात्र कवितेतून बालकविंनी रेखाटलेल्या रात्रीचे भयानक चित्रणाची ओळख करुन देणे. साध्य—पन्नास वर्षापूर्वी व आजही अतिशय दुर्गम भागातील खेडयातील परिस्थितीचे व रात्र कशी भयाकूल असते याची खात्री विद्यार्थ्यांना पटली.

Unit III:

प्रकरण— १.उद्ष्ठ— व्यावहारिक मराठीची आवश्यकता जीवन व्यवहारासाठी का आहे याची यथार्थता विद्यार्थ्यांना पटिवणे.

साध्य—जीवन व्यवहारात व्यावहारिक मराठीची उपयुक्तता असल्याचे विद्यार्थ्यांना कळले तसेच अनेक व्यवहार क्षेत्रात व्यावहारिक मराठीची उपयुक्तता असल्याचे स्पष्ट झाले.

प्रकरण— २.उद्ष्ठि—भाषिक संवाद व्यवहाराच्या मूलतत्वांची ओळख व माहिती विद्यार्थ्यांना करुन देणे.

साध्य—भाषा हे संवादाचे माध्यम असून लेखन, वाचन , श्रवण व भाषण यातून भाषेचा संवाद व्यवहार चालतो हे कळले सोबतच विविध मुलतत्वाची ओळख विद्यार्थ्यांना झाली.

Department of Political Science Course Objectives and Course Outcomes

Course Objectives

- To understand the basic concept and ideological orientations of Political Science discipline.
- To understand the processes and dynamics of Indian government and Politics.
- To understand the contribution of the main traditions of Indian Political Thought.
- To understand the contribution of the main traditions of Western Political Thinkers to Political Thought.

Course Outcomes

- Understood the basic concepts and ideological orientations of Political Science discipline.
- Understood the processes and dynamics of Indian government and politics
- Came to know the contribution of the main traditions of Indian Political Thought.
- Understood the contribution of the main traditions of Western Political thinkers to political thought.

Department of Economics

Course Objectives and Course Outcomes

Unit - I

- Objective To develop preliminary knowledge of Economic concepts for the understanding of Economics Nature, Definition, and Method of Economics Analysis.
- Outcome Students learned preliminary knowledge of Economic concepts and definitions.

Unit - II

- Objective To provide an orderly and objective way of thinking about Economic Demand & Supply Theory.
- Outcome- The students learned about the knowledge of Demand and Supply.

Unit - III

- Objective- To gain knowledge about Consumer Behavior Utility Analysis.
- Outcome- The Students gained the knowledge of Consumer Behavior and Utility Analysis

Unit – IV

- Objective –To explain core Economics- various factors of production.
- Outcome Students learnt about the production function.

Department of English Course Objectives and Course Outcomes English Literature

ProgramOutcomes

- CO1. Comprehend the use of language and grammar in the given context.
- CO2. Demonstrate advanced critical thinking skills.
- CO3. Communicate in a variety of contexts andgenres.
- CO4. Equipped with Listening, Speaking, Reading and Writing skills.
- CO5. Imbibe the nuances of analyzing a text and reproduce with proper interpretations.

Programme specific Outcomes (PSOs)

- PSO1. A vailing job opportunities intranslation, transformation and media.
- PSO2. Developing acritical attitude, a boutliterary studies
- PSO3. Instilling literaryre search attitude.

Course Objectives

- To understand the interrelationship between works of literature and society.
- To explain the nature of language and literature.
- To obtain the skill of appreciation for literary works.
- To imbue the skills of essay writing.
- To be able to illustrate the nature of literary form slike one-act-play, travelogue, and short story.

Course Outcomes

- Understood the interrelationship between works of literature and society.
- Explained the nature of language and literature.
- Obtained the skillof appreciation for literary works.
- Imbued the skills of essay writing.
- Succeeded in illustrating the nature of literary form slike one-act-play, travelogue, and short story.

Department of Sociology Course Objectives and Course Outcomes

Introduction

Unit - I Understanding Sociology

Objective - To make students know in detail about Understanding Sociology.

Outcome - Students understood the concept of Understanding Sociology.

Unit – II Basic Concepts in Sociology

Objective - To Make Students Aware of Basic Concepts in Sociology.

Outcome -Students understood the concept of Basic Concepts in Sociology.

Unit - III Socialization

Objective - To Make Students Aware of Socialization.

Outcome - Students understood the concept of Socialization.

Unit - IV Social Structure

Objective - To make the students know in detail about Social Structure.

Outcome - Student understood the concept of Social Structure.

Department of History

Course Objectives and Course Outcomes

After successful completion of three-year Degree Programme in History a student should be able to know;

Programme Outcomes

- ➤ PO1: History has an unprecedented significance in human life.
- ➤ PO2: The study of history preserves culture.
- ➤ PO3: The study of history leads to Socio-Political awareness.
- > PO4: Learn about world events.
- > PO5: The study of History is important for competitive examination.
- PO6: Conversational skills come and understand the importance ofhuman society.

Course Objectives

- To know the importance of culture gives you the ability to make decisions in yourself.
- To gain the ability to make decisions while living life.
- To gain employment opportunities through competitive examinations.
- To acquire moral values, devotional movement and Sufi sect.

Course Outcomes

- Knew the importance of culture gives you the ability to make decisions in yourself
- Gained the ability to make decisions while living life
- Received employment opportunities through competitive examinations.
- Acquired moral values, devotional movement and Sufi sect.

Department of Marathi

Course Objectives and Course Outcomes

Marathi Literature

Unit I:

तहान (कादंबरी)—

उद्ष्ठ—पाण्याच्या भीषण समस्येमुळे ग्रामीण जीवनातल्या मानवी भाव—भावनांचे आविष्करण करणे. **साध्य**—ग्रामीण भागात पाणी टंचाईच्या दिवसात जनतेला कशा हालअपेष्ठा सहन कराव्या लागतात याची सत्यता विद्यार्थ्यांना समजली.

Unit II:

साहित्यप्रकार-कथा व कविता-

उद्घि—कथा व कविता या साहित्य प्रकाराची ओळख व माहिती विद्यार्थ्यांना देणे. साध्य—कथा व कविता हे साहित्यप्रकार कसे भिन्न आहेत याबध्दल विद्यार्थ्यांना कळून आले.

Semester-II Course Objectives and Course Outcomes Compulsory English

Course Objectives

- To study lessons based on the themes of humor, emotional bonding, ethics and values.
- To motivate themselves even in adverse situations by reading successful people's life sketches.
- To prioritize life's needs over wants.
- To apply grammar lessons to spoken English.
- Grasp the nuances of learning a foreign language.

Course Outcomes

- Studied lessons based on the themes of humor, emotional bonding, ethics and values.
- Motivated themselves even in adverse situations through reading their lives.
- Applied grammar lessons to spoken English.

Course Objectives and Course Outcomes Compulsory Marathi (साहित्यरंग.भाग–1)

Unit I:

प्रकरण— ६.उद्ष्ठ—इरावती कर्व्याचे व्यक्तिचित्रणाची ओळख पाठाच्या आधारे करुन देणे.

साध्य—पु.ल. देशपांडे यांनी इरावती कर्व्याचे ज्ञान, लेखन व संशोधन याबष्दल दिलेल्या माहितीमूळे विद्यार्थ्यांना कर्वेची ओळख पटली व माहिती मिळाली.

प्रकरण— ७.उद्ष्टि—संस्कार पाठातून नायकाच्या मनावर झालेल्या संस्काराचे चित्रन करुन विद्यार्थ्याच्या मनावर योग्य संस्काराची रूजवणूक करणे.

साध्य—हिंदू मुस्लिम असा जातीभेद असूनही वा.कृ. चोरघडे यांना शालेय जीवनापासून सलमा हीने योग्य असे संस्कार दिले याची विद्यार्थ्यांना जाणिव झाली.

प्रकरण— ८.उदिष्ठ—ग्रेस पाठातून वेगळया व्यक्तिमत्वाची ओळख विद्यार्थ्यांना करुन देणे.

साध्य—ग्रेस या दुर्बोध व आगळया वेगळया व्यक्तिचित्रणाची मधुकर केचे यांनी करुन दिलेली ओळख विद्यार्थ्यांना माहिती झाली.

प्रकरण—९.उद्ष्ठि—जात चोरीच्या आपत्तीमुळे कोणते संकटे येतात याची जाणीव विद्यार्थ्यांना करुन देणे.

साध्य—बाबुराव बागुल यांनी आपली अस्पृश्य महार ही जात लपविल्यामुळे त्यांना आलेला अनूभवाचे वर्णन विद्यार्थ्यांना समजून आले.

प्रकरण—१०.उदि्ष्ठ—पुर्णिया या बिहार राज्यातील मागसलेल्या जिल्हयातील लोकांच्या दु:खी कष्टी जीवनाची माहिती विद्यार्थ्यांना देणे.

साध्य—अनिल अवचट यांनी पूर्णियामधून रेखाटलेले स्यांचे बदिस्त जीवन, शाळा, नोकऱ्यांचा प्रश्न, राजकीय परिस्थिती, मजूरांचे हलाकीचे जीवन, उपासमारी इ.ची माहिती विद्यार्थ्यांना मिळाली.

Unit II:

कविता— ६.उद्ष्टि—मुक्त पक्षी या कवितेतू पिंजऱ्यातील पक्षी स्वातंत्र का नाकारतो याची माहिती देणे

साध्य—गुलामीची सवय जडल्यामुळे पक्षी पिंज्यातून मुक्त केल्यावरही स्वातंत्र नाकारतो याची ज्ञान विद्यार्थ्यांना प्राप्त झाले.

कविता—७.उद्ष्टि— जीवन मरणाबध्दल बहिणाबाईनी केलेल्या चिंतनाची सार्थकता पटवून देण.

साध्य—जन्ममृत्यु विषयी कवयित्रीने कवितेत प्रगट केलेले विचार मानवी जीवनाची सार्थकता पटवुन देतात याची विद्यार्थ्यांना खात्री पटली.

किवता—८.उद्ष्ठि—राष्ट्रसंतांना गरीबाच्या झोपडीमधील सुखाची माहिती विद्यार्थ्यांना देणे साध्य—महालातील सुखापेक्षा लहानशा झोपडीतील सुख हे महान असल्याची प्रचिती कवितेच्या भावार्थावरुन विद्यार्थ्यांना आली.

कविता—९.उद्ष्ठि—माणसाच्या मनातील मोठेपना नाहिसा होण्याची कविची इश्वराकडे केलेली मागणीचे ज्ञान विद्याथ्याना देणे.

साध्य—कविने आपल्या जीभेवरचा लोभ जळू देण्यासाठी व मी पणाचे साम्राज्य नाहीसे होण्याची कविची भावना विद्यार्थ्यांना समजली.

कविता—१०.उद्ष्टि—कुसुमाग्रजांच्या कवितेतून मानवी सामर्थ्य निसर्गावर कसे मात करते याची ओळखं विद्यार्थ्याना करून देणं.

साध्य—कवितेतील नायकाचा गंगा नदीच्या पुरामुळे संसार उघ्वस्त होऊनही सराच्या आर्शिवादाची थाप मागणारा नायक प्रतिकूल परिस्थितीवर मात करुन संसार उभा करतो याची विद्यार्थ्यांना प्रेरणा मिळाली.

Unit III:

प्रकरण— ३.उद्ष्ठ—पत्रलेखनाचे स्वरुप, पत्राचे प्रकार, पत्रलेखाचे घटक, वैशिष्टये व पत्राचा नमूना विद्यार्थ्याना समजावन देणे.

साध्य—विद्यार्थ्यांना पत्राचे स्रुप कसे असते ,घटक कोणते, खजगी पत्रे व कार्यालयीन पत्रे कशी लिहावीत याचे कौशल्य व ज्ञान प्राप्त झाले.

प्रकरण— ४.उद्ष्ठि—सारांशलेखन कसे करावे व सारांश लेखन करतांना कोणती काळजी घ्यावी व सारांशलेखनाचे फायदे याविषयी विद्यार्थ्यांना माहिती देणे.

साध्य—विद्यार्थ्याना सारांशलेखन करण्याची माहिती मिळाली तसेच दिलेल्या सारांशाचे एक तृतियांश लेखन करण्याचे कौशल्य प्राप्त होऊन सारांशलेखनाचे फायदे समजले.

Department of Political Science Course Objectives and Course Outcomes

Course objectives

- To understand the processes and dynamics of the Indian government and politics.
- To understand the contribution of the main traditions of Indian Political

Thought.

 To understand the contribution of the main traditions of Western Political Thinkers to Political Thought.

Course Outcomes

- Familiarized with the basic concepts and ideological orientations of the Political Science discipline.
- Exposed to the processes and dynamics of Indian government and politics.
- Made to understand the contribution of the main traditions of Indian Political Thought.
- Made to understand the contribution of the main traditions of Western Political thinkers to Political thought.

Department of Economics Micro Economics Theory -II Course Objectives and Course Outcomes

Unit – I: Cost and Revenue Analysis Cost of Production:

Objective- To explain the Kinds of Cost and Revenue Analysis Cost of Production

Outcome - Explained theknowledge of Cost and Revenue Analysis.

Unit – II: Market Structure and Perfect Competition Market

Objective- To explain major types of market Structure and Identify Characteristics of Perfect Competition.

Outcome —Received assignments from the students those are coherent, organized, concise, grammatically correct and well-presented.

Unit – III: Monopoly and Imperfect Competition Market

Objective- To identify and discuss the key concepts of Monopoly and Imperfect Competition Market.

Outcome —Identified economic theory in the Monopoly and Imperfect Competition Unit – IV: Factors Pricing and Statistics for Economics Factors Pricing:

Objective- To explain the contribution of Factors of production.

Outcome – Students learned about the factor of production.

English Literature

Course Objectives and Course Outcomes

Course Objectives

- To make the students familiar with literary texts in a given historical, geographical, and cultural context.
- To apply critical theories to the reading of multiple genres of literature.
- To make the students able to identify critical ideas and themes.

 To make the students able to write analytically with the help of language competencies.

Course Outcomes

- Students will be familiar with literary texts in a given historical, geographical, and cultural context
- Students should be able to apply critical theories to the reading of multiple genres
 of literature
- Students should be able to identify and analyze the critical ideas and themes
- Students should be able to write analytically with the help of language competencies
- Students should be able to imbibe, ethical, moral, and cultural values

Department of Sociology Course Objectives and Course Outcomes

Themes and Perspectives

Unit - I Culture and Society

Objective - To Make the students know in detail about culture and society

Outcome - Studentsunderstood the concept of culture and society.

Unit - II Social Deviation and Social Control

Objective – To make the students aware of social deviation and social control.

Outcome – Studentsunderstood the concept of social deviation and social control.

Unit - III Social Stratification and Social Mobility

Objective - To Make Students know in detail about Social Stratification and Social Mobility.

Outcome – Students understood in detail about SocialStratification and Social Mobility.

Department of History Course Objectives and Course Outcomes History of India (1526 - 1761)

Course Objectives

- To understand how the Mughal power was established in India.
- To learn information about Sher Shah Suri and the Mughal administration.
- To get information about Chhatrapati Shivaji and Mughal relationship war took place.
- To understand the Panipat Third War and the arrival of the British.

Course Outcomes

- Understood how the Mughal power was established in India.
- Learned information about Sher Shah Suri and the Mughal administration.
- Studentgot information about Chhatrapati Shivaji and Mughal relationship war took place.
- Understood the Panipat Third War and the arrival of the British.

Department of Marathi Marathi Literature Course Objectives and Course Outcomes

Unit I:

अश्रूंचीझाली फुले— नाटक—

उद्घ-अश्रूंची झाली फुले या नाटकातून मानवी जिवनातील कौटुंबिक,सामाजिक व शैक्षणिक क्षेत्रातील संघर्षप्रवण परिस्थितीविषयी विद्यार्थ्यांना बोध करणे.

साध्य—वसंत कानेटकरांनी नाटकाच्या कथानकातून व रेखाटलेल्या पात्रांतून मानवी जीवन कसे संघर्षशिल आहे याची माहिती विद्यार्थ्यांना मिळाली.

Unit II:

साहित्यप्रकार-कादंबरी, चरित्र,आत्मचरित्र.

उद्षि —कादंबरी, चरित्र,आत्मचरित्र.या साहित्य प्रकाराची ओळख व माहिती विद्यार्थ्यांना देणे.

साध्य—कादंबरी, चरित्र,आत्मचरित्र.या साहित्य प्रकाराची ओळख व माहिती विद्यार्थ्यांना झाली.

Department of English Compulsory English

Course Objectives and Course Outcomes

Unit I: Objective-Making students aware of the importance of Honesty.

Outcome-Students tried to examine and applied through the various activities carried out in the class.

Unit II: Objective- Making students realize the beauties of nature and sublime.

Outcome-Students tried to apply the values of nature and the sublime.

Unit III: Objective- Making students understand the social evils of society and the values of Humanity.

Outcome-Students were exposed to the social evils of society through discussion.

Unit IV: Objective-Grammatically correct usage of Narration and Punctuation.

Outcome-Students solved the examples of Narration and Punctuation.

Unit V: Objective-To create the ability to use English for the purpose of communication.

Outcome-Students attempted to use English for the purpose of communication in the Class.

Department of Marathi Course Objectives and Course Outcomes Compulsory Marathi साहित्य संवाद,श्रागु २

Unit I:

प्रकरण —१.उद्ष्ठि—तेराव्या शतकातील दृष्टांतपाठातील गद्य भाषाशैली, श्रीचक्रधरस्वामीचे चरित्र, महानूभाव पंथा विषयी माहिती देणे.

साध्य—दृष्टांतपाठातील गद्य भाषाशैली, श्री.चक्रधरस्वामीचे चरित्र, महानूभाव पंथाचे समाजाला दिलेले योगदान विद्यार्थ्यांना समजन आले.

प्रकरण —२.**उद्घ**—स्त्री पुरुष तुलना या पाठातून ताराबाई शिंदे हीने पारतंत्र्यांच्या काळात स्त्रियांच्या नशिबी येणाऱ्या दर्गणांची जाणीव करुन देणे.

साध्य—सर्व प्रकारचे दुर्गुण स्त्रियांतच असतात या पुरुषांच्या पूर्वग्रहदूषित विचारांची विद्यार्थ्याना माहिती प्राप्त झाली. प्रकरण —३.उदिष्ठ—यशस्वी वक्ता होण्यासाठी प्र.के.अत्रे यांनी सांगीतलेला अनुभव विद्यार्थ्याना सांगणे.

साध्य-विद्यार्थ्यांनी यशस्वी वक्ता होण्यासाठी अञ्यांच्या अनभवाचा बोध घेतला.

प्रकरण -४.उदिष्ठ-पंढरपुर व विठ्ठलाचे दर्शनाची माहिती विद्यार्थ्यांना करन देणे.

साध्य —पंढरपुर व पांड्रंगाचे संपूर्ण वर्णन तेथील भैगोलिक परिस्थितीची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण—५.उद्घि—राष्ट्रसंताच्या मते शिक्षक हाच राष्ट्राचा भाग्यविधाता असल्याची खात्री विद्यार्थ्यांना करुन देणे. साध्य—शिक्षकाचे विद्यार्थी, समाजाप्रती केलेल्या संपूर्ण कार्याची व शैक्षणिक कार्याची जाणीव विद्यार्थ्यांना कळली.

Unit II:

किवता—१.उद्ष्ठि—संत नामदेवांनी श्रीविठ्ठलाचे वर्णन, विठ्ठलभिक्तचे व नामस्मरणाचे महात्म्य विद्यार्थ्यांना सांगणे. साध्य—अभंगााच्या निंपनातून विठ्ठलाच्या अनंत लावण्याची शोभा, विठ्ठलभिक्तचे व नामस्मरणाचे महात्म्य विद्यार्थ्यांना कळले.

कविता—२.उदुष्ठ—मारोपंतानी सत्संगतीचा वर्णन केलेला महिमा सांगणे.

साध्य-सत्संगतीत समाजजिवनाला उद्बोधन करण्याचे सामर्थ्य आहे याची विद्यार्थ्यांना माहिती मिळाली.

कविता—३.उद्ष्टि—भला जन्म हा तुला लाभला यातून राम जोशींनी सांगीतलेल्या मानवी जीवनाचे सार्थकत्व पटविणे.

साध्य—उपदेशपर लावणीतन मानवी जीवनाची सार्थकता विद्यार्थ्यांना पटली.

कविता—४.उदुष्ठ—शेतकरी—कष्टकऱ्यांची जीवनगाथा व परीस्थितीचे वर्णन करणे.

साध्य-विद्यार्थी ग्रामीण भागातला असून शेतकऱ्यांच्या परीस्थितीची जाणीव झाली.

कविता— ५.उदिष्ठ—कवी अनिलांच्या विराणीतन कवी मनाच्या उदासीनतेचे दर्शन घडविणे.

साध्य—कविला लाभलेल्या दु:खामुळे कविच्या मनाला उदासिनता प्राप्त झाली याची विद्यार्थ्यांना प्रचिती आली.

Unit III:

प्रकरण — १.उद्ष्टि—इतिवृत्त लेखन, प्रकार,पध्दती व लेखनाची काळजी याविषयी विद्यार्थ्यांना माहिती देणे.

साध्य — इतिवृत्त म्हणजे सभेची नोंद, प्रकार पध्दती व लेखन करतांना घ्यावयाची काळजी याची विद्यार्थ्यांना माहिती मिळाली.

प्रकरण — २.उदिष्ठ—प्रसारमाध्यमे आणि वृत्तलेखन याविषयी विद्यार्थ्यांना माहितीचे विश्लेषण करणे.

साध्य—दृक श्राव्य प्रसारमाध्यमांच्याव्दारे बातमी, बातमीचे लेखनव वृत्तपत्रीय लेखन कसे केले जाते याची माहिती विद्यार्थ्यांना झाली.

Department of Political Science

Course Objectives and Course Outcomes

Course Objectives

- To explain the vital contemporary emerging issues of center-state relations, political parties, emergence of new leadership at different levels, demand for autonomy movement, ethnic conflicts, etc.
- To understand the strengths and weakness of Indian political processes, both in terms of their effectiveness in responding to public policy needs.
- To understand the current political issues in the context of wider debates about democratic life in India and the capacity of political institutions
- To understand the basic concept and issues concerning human rights and challenges.

Course Outcomes

- Familiarized with the vital contemporary emerging issues of center-state relations, political parties, the emergence of new leadership at different levels, demand for autonomy movement, ethnic conflicts, etc.
- Analyzed the strengths and weakness of Indian political processes, both in terms of their effectiveness in responding to public policy needs and retaining constitutional protections.
- Understood the current political issues in the context of wider debates about democratic life in India and the capacity of political institutions.
- Acquainted with a basic understanding of concepts and issues concerning the Right to Information Act, Human Rights, and Challenges.

Department of Economic

Course Objectives and Course Outcomes

Unit – I Introduction to Macro Economics

Objective—To discuss the Introduction of Macro Economics.

Outcomes—Students understand the concept of Macro Economics.

Unit – II **National Income**

Objective –To explain the concept of National income.

Outcome—Students understood the various concept of National income.

Unit – III Money and Value of Money

Objective—To evaluate the value of money and theories of the Value of Money.

Outcome – Students learnedthe theories of Value of Money.

Unit – IV **Output and Employment**

Objective –To introduce the theory of Employment.

Outcome- Students learnt thetheory of Employment.

Department of English

Course Objectives and Course Outcomes

English Literature

Unit I:

Objective-Making students aware of the importance of dreams, Rules, Thoughts and Club Life.

Outcome-Students attempted to preserve the importance of dreams, Rules and Thoughts.

Unit II:

Objective- Making students realize aesthetic satisfaction.

Outcome-Students realized aesthetic satisfaction.

Unit III:

Objective- Making students understand the Novel, the Essay, and the short story.

Outcome- Students understood the Novel, the Essay, and the Short Story.

Unit IV:

Objective-Making students understand the Literary Terms.

Outcome-Students understood the Literary Terms and their usage.

Department of Marathi Course Objectives and Course Outcomes Marathi Literature

Unit I:

तुकारामाचे अभंग-

उद्घ—संत तुकारामाच्या निवडक शंभर अभंगाच्या आधारे संत तुकारामाचे जीवन कार्य,काव्यशैली व तत्कालीन सामाजिक परिस्थितीची जाणीव विद्यार्थ्यांना करुन देणे.

साध्य-संत तुकरामांनी अभंगाच्या माध्यमातून समाजसुधारणेसाठी केलेल्या उद्बोधनाचे मर्म विद्यार्थ्यांना समजून आले.

Unit II:

उद्दिष्ठ—काव्यशास्त्र परिचय यातून काव्याची लक्षणे व काव्याच्या प्रयोजन काय याची माहिती विद्यार्थ्यांना देणे.

साध्य—काव्याची लक्षण व काव्याची प्रयोजने कोणती याचे ज्ञान व माहिती विद्यार्थ्यांना प्राप्त झाली

Department of Sociology

Course Objectives and Course Outcomes Foundations of Social Thought

Unit - I Emergence of Sociology as a Discipline

Objective - To Make the students know in detail about the emergence of sociology as a discipline.

Outcome - Studentsunderstood the concept of the emergence of sociology as a discipline

Unit - II Founders of Sociology I

Objective - Studentsunderstood the concept of Founders of Sociology-I (August Comte, Herbert Spencer,)

Outcome - Studentsunderstood the concept of Founders of Sociology-I (August Comte, Herbert Spencer)

Unit – III Founders of Sociology II

Objective - Students understood the concept of Founders of Sociology-II (Charles of Horton Cooley, Emile Durkheim)

Outcome - Students understood the concept of Founders of Sociology-II(Charles of Horton Cooley, Emile Durkheim)

Unit - IV Founders of Sociology III

Objective - Students understood the concept of Founders of Sociology-III (Karl Marx, Max Weber)

Outcome -Students understood the concept of Founders of Sociology-II(Karl Marx, Max Weber)

Department of History

Course Objectives and Course Outcomes History of India (1764 - 1884)

Course Objectives

- To study Battle of Buxar and English policy.
- To understand Kayamdhara Methods, Ryotwari, and Lord Wellesley.
- To understand the uprising of 1857 (independent war) results.
- To understand how did nationalism emerge in India?

Course Outcomes

 Studied the Battle of Buxar and how the British implemented their policy in India

- Gained information about working methods, Kaymdhara,ryotwari and Mahalwari and Lord Wellesley deployment forces.
- The uprising of 1857 (independent war) result was known
- Learned how nationalism emerged in India

Department of Marathi Course Objectives and Course Outcomes Marathi Literature

Unit I:

उद्षिज—कुसुमाग्रजाच्या रसयात्रा कविता संग्रहाच्या आधारे विविध प्रकारच्या कवितांची ओळख व माहिती विद्यार्थ्यांना देणे.

साध्य—कुसुमाग्रजांच्या कवितासंग्रहातून सामाजिक कविता,राजकीय, राष्ट्रीय कविता, प्रेम कविता,निसर्ग कविता व तत्वज्ञानपर कवितांची माहिती विद्यार्थ्यांना झाली.

Unit II:

उद्षि—काव्यशास्त्र परिचय यातून काव्यकारण व शब्दशक्ती याविषयी विद्यार्थ्यांना माहिती देणे. **साध्य**—विद्यार्थ्यांना काव्य निर्मितीचे कारण व शब्दाच्या अभिदा, व्यंजना व लक्षणा या शब्दशक्तीची माहिती प्राप्त झाली.

Semester-IV

Department of English Course Objectives and Course Outcomes Compulsory English

Unit I: Objective-Making students aware of the importance of faith and friendship **Outcome**-Students understood the value of friendship.

Unit II: Objective- Making students realize about discipline and struggle.

Outcome-Students tried to apply the discipline and struggle in their lives.

Unit III: Objective- Making students understand the presence of the mind.

Outcome- Students were put through various activities to get the feel ofit.

Unit IV: Objective-Grammatically correct usage of Tense and Voice.

Outcome-Students tried to solve the examples of Tense and Voice.

Unit V: Objective-To create the ability to use English for the purpose of communication.

Outcome-Students attempted to use English for the purpose of communication in the Class.

Department of Marathi Course Objectives and Course Outcomes Compulsory Marathi साहित्यरंग,भाग.2

Unit I:

प्रकरण — ६.उद्घ-मराठी माघ महिण्यातील मायावीपणाचे वर्णन विद्यार्थ्यांना करुन देणे.

साध्य-मराठी माघ महिण्यातील निसर्गातील विविध बदलाचा विद्यार्थ्यांना अनुभव आला.

प्रकरण — ७.उदिष्ठ—तपस्वीव्यक्ती कसा असतो याचे चित्रण विद्यार्थ्यांना करुन देणे.

साध्य—पु.भा. भावे यांनी तपस्वीचे केलेले व्यक्तीचित्रण ऐकून विद्यार्थ्यांना तपस्वी कसा असतो याची जाणिव झाली.

प्रकरण — ८.उद्दिष्ठ—संताचे विचार आत्मसात करुन मानसिक परिवर्तन घड्डन येण्याची आवश्यकता.

साध्य—संताचे विचार आत्मसात केल्याने परीवर्तनाची नवी पहाट उगवत असल्याची जाणीव विद्यार्थ्यांना झाली.

प्रकरण -९.उदिष्ठ-लपलेला तारा यातून अवकाशातील विविध ताऱ्यांची माहिती विद्यार्थ्यांना करुन देणे.

साध्य—ग्रहमालेतील विविध ग्रह व तारे तसेच डायसनचा गोळा याची माहिती विद्यार्थ्यांना झाली.

प्रकरण —१०.उद्घ्—समाजपरिवर्तनातून सामाजिक समता प्रस्थापीत करण्याचे डॉ. आंबेडकरांचे विचार विद्यार्थ्यांना सांगणे.

साध्य-डॉ. आंबेडकरांनी सांगीतलेल्या सामाजिक समतेच्या विचाराचा बोध विद्यार्थ्यांनी घेतला.

Unit II:

कविता— ६ उदिष्ठ—जनसामान्यांचे अनुभव कसे असतात याची कवितेत्न माहिती देणे.

साध्य—कविच्या संघर्षप्रवण प्रवृत्तीचा अनुभव एका नव्या संघर्षात या कवितेतृन विद्यार्थ्यांना आला.

कविता —७.उद्घ-स्मरण या कवितूतून जीवनाचे अंतिम सत्य सांगणे.

साध्य-सुरेश भटांनी मृत्यु हेच जीवनाचे अंतीम सत्य असल्याची जाणीव विद्यार्थ्यांना झाली.

कविता— ८.उदुष्ठ—मानवी मनाचा निसर्गाशी असलेला संबंध उलघडणे.

साध्य—निसर्गाशी असलेले अतूट नाते व त्याच्याशी मानवी मनाचा साधलेला संवाद व्यक्त झाल्याची विद्यार्थ्यांना माहिती मिळाली.

कविता — ९.उद्ष्ठ—मानवी जीवनाच्या विविध टप्यावर वंचितांच्या वाटयाला आलेल्या दु:खाची साक्ष पटविणे साध्य—मानवी जीवनाच्या विविध टप्यावर वंचितांच्या वाटयाला आलेल्या दु:खाची विद्यार्थ्यांना साक्ष पटली.

कविता— १०.उदुष्ठ—आदिवासिंच्या न्यायासाठी कविने मागीतलेल्या मागणीचा विद्यार्थ्यांना मार्ग सांगणे.

साध्य—आदिवासिंच्या न्याय व हक्कासाठी कविने मागीतलेल्या मागणीचा विद्यार्थ्यांनी मार्ग समजून घेतला.

Unit III:

प्रकरण— ३.उदिष्ठ—भाषांतर या शास्त्र व कलेची जाणीव विद्यार्थ्यांना करणे.

साध्य-एका भाषेचे दुसऱ्या भाषेत भाषांतर करण्याची कला विद्यार्थ्यांना अवगत झाली.

प्रकरण— ४.उदिष्ठ—मुलाखत लेखनाचे स्वरूप स्पष्ट करणे.

साध्य—व्यक्तिमत्वाचे दर्शन घडविणे हा मुलखतीचा मुख्य उद्देश असतो हे विद्यार्थ्यांना कळले

Department Of Political Science

Course Objectives and Course Outcomes

Course Objectives

- To explain the vital contemporary emerging issues of center-state relaterlationsitical parties, the emergence of the new leadership at different levels, demand for autonomy movement, ethnic conflicts etc.
- To understand the strengths and weakness of Indian political processes, both in terms of their effectiveness in responding to public policy needs.
- To understand thecurrent political issues in the context of wider debates about democratic life in India and the capacity of political institutions.

 To understand the basic concept and issues concerning human rights and challenges.

Course Outcomes

- Familiarized with the vital contemporary emerging issues of center-state relations, political parties, the emergence of new leadership at different levels, demand for autonomy movement, ethnic conflicts etc.
- Analyzed the strengths and weakness of Indian political processes, both in terms of their effectiveness in responding to public policy needs and retaining constitutional protections.
- Understood thepolitical issues in context of wider debates about democratic life in
 India and the capacity of political institutions.
- Acquainted with a basic understanding of concepts and issues concerning Right to Information Act, Human Rights and Challenges.

Department of Economics

Course Objectives and Course Outcomes

Unit -I: Commercial and Central Bank Commercial Banks:

Objective –To explain the function of the Commercial and Central Bank and why it is importance.

Outcome – Students learned the function of the Commercial and Central Bank and why it is important.

Unit -II: RBI and Innovation in Banking Reserve Bank of India:

Objective - Introduce RBI and innovation in Banking Sector.

Outcome – Students learnt about the structure of RBI and its function.

Unit -III: Financial Market Money Market:

Objective - To define Financial Market.

Outcome – Students understood the function of Financial Market.

Unit –IV:Health Economics and Statistics for Economics Health Economics:

Objective -To explain the importance of Health Economics and Statistics.

Outcome – Students understood the knowledge of Health Economics and Statistics

Department of English

Course Objectives and Course Outcomes

English Literature

Unit I: Objective-Making students conscious of the various issues of Indian society.

Outcome-Students attempted to understand the various issues of Indian society

Unit II: Objective- Making students realize revolution and its effects.

Outcome-Students realized equality, revolution, and their effects.

Unit III: Objective- Making students understand the biography, autobiography and Criticism.

Outcome- Students understood the biography, autobiography and Criticism.

Unit IV: Objective-Making students understand the Literary Terms.

Outcome-Students understood the Literary Terms and their usage.

Department of Sociology

Course Objectives and Course Outcomes Indian Sociological Tradition

Unit - I Theoretical Roots of Caste in India

Objective - To make the students aware of the Theoretical Roots of Caste in India (B.R. Ambedkar, G.S. Ghurye)

Outcome - Student understood the concept of Founders of Theoretical Roots of Caste in India (B.R. Ambedkar, G.S. Ghurye)

Unit - II Social Change from Indian Perspective

Objective - To make the students aware of Social Change from Indian Perspective (M.N. Shriniwas, D.P.Mukharjee)

Outcome - Student understood the concept of Social Change from Indian Perspective (M.N. Shriniwas, D.P.Mukharjee)

Unit - III Indian Society and Contemporary Change

Objective - To make the students aware of Indian Society and Contemporary Change (R.K. Mukharjee, S.C. Dube)

Outcome - Student understood the concept of Indian Society and Contemporary Change (R.K. Mukharjee, S.C. Dube)

Unit - IV Gender and Society in India

Objective - To Make Students Aware of Gender and Society in India (Tarabai Shinde, Jyotiba Fule and Savitribai Fule)

Outcome - Student understood the concept of Gender and Society in India(Tarabai Shinde, Jyotiba Fule and Savitribai Fule)

Department of History Course Objectives and Course Outcomes

History of India (1885 - 1947)

Course Objectives

- To study How the National Congress was formed.
- To understand what was the role of Jahal and Mawal.
- To study non-cooperation and civil disobedience movements.
- To learn the Indian Independence Mountaineering Scheme.

Course Outcomes

- Learned about the establishment of the National Congress.
- Understood the role of Jahal and Mawal.

- Information was received about the non-cooperation and civil disobedience movements.
- Gained detailed knowledge of how India became independent.

Department of Marathi Course Objectives and Outcomes Marathi Literature

Unit I:

उद्ष्ठ— कुसुमाग्रजाच्या रसयात्रा कविता संग्रहाच्या आधारे विविध प्रकारच्या कवितांची ओळख व माहिती विद्यार्थ्यांना देणे.

साध्य—कुसुमाग्रजांच्या कवितासंग्रहातून सामाजिक कविता,राजकीय, राष्ट्रीय कविता, प्रेम कविता,निसर्ग कविता व तत्वज्ञानपर कवितांची माहिती विद्यार्थ्यांना झाली.

Unit II:

उद्ष्ठि—काव्यशास्त्र परिचय यातून काव्यकारण व शब्दशक्ती याविषयी विद्यार्थ्यांना माहिती देणे. साध्य— विद्यार्थ्यांना काव्य निर्मितीचे कारण व शब्दाच्या अभिदा, व्यंजना व लक्षणा या शब्दशक्तीची माहिती प्राप्त झाली.

Department of Marathi Course Objectives and Course Outcomes Compulsory Marathi

Unit I:

प्रकरण —१.उद्ष्टि—लीळाचरित्रातून गोविंदप्रभूचे व्यक्तीमत्व व विवाहपध्दतीची माहिती विद्यार्थ्यांना रेणे

साध्य—वीव्हावो स्वीकारू या लीळेतून गोविंदप्रभूचे चरित्र, विवाहाची पध्दती व प्राचीन काळातील खाद्यापदार्थाची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण —२.उद्ष्टि—आगरकरांचा सुधारक काढण्याचा कोणता हेतू होता याची जाणीव करुन देणे. साध्य—अज्ञानी भारतीय समाजव्यवस्थेला सज्ञान करण्याच्या हेतून आगरकरांनी सुधारक वृत्तपत्र काढला याचीजाणीवविद्यार्थ्याना झाली.

प्रकरण —३.उद्ष्ठ—युगाला आकार देणारे आम्ही काळपुरुष आहोत याची विद्यार्थ्यांना साक्ष पटविणे. साध्य—विद्यार्थ्यांनी विनोबा भावेनी सांगीतलेल्या सृष्टीच्या दानाचे महत्व ओळखून महत्व लक्ष्यात घेतले

प्रकरण —४.उद्ष्ठि—महाभारतातील मयसभेचे वर्णन व माहिती विद्यार्थ्यांना करुन देणे.

साध्य —खांडव वन तेथील भौगोलिक परिस्थिती व पांडवांची मयसभा याची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण —५.उद्ष्टि—किङलेली माणसं या कथेतून माणसाच्या क्षुद्र विचाराचे दर्शन विद्यार्थ्यांना करुन देणे.

साध्य—मानवी जीवनाचे दुःख व विचाराची क्षुद्रता यांची अनुभूती विद्यार्थ्यांना आली

प्रकरण — ६.उद्ष्टि—चक्र या कथेतून महाभारतातील द्रौपदी या स्त्रीचे चित्रण विद्यार्थ्यांना माहित करुन देणे.

साध्य—महाभारतातील द्रौपदीच्या मनातील गूढ वगुंतागुंतीचे भावनीक प्रसंगाची माहिती विद्यार्थ्यांना प्रापत झाली.

प्रकरण — ७.उद्ष्ठ—पक्षीगान पाठातून पक्ष्यांच्या सौंदर्याचे दर्शन घडविणे..

साध्य—पक्षीगान मधून विविधक्षी, पक्ष्यांची घरटी, त्यांची पिल्ले यांची माहिती व ओळख विद्यार्थ्यांना झाली.

प्रकरण — ८.उद्ष्टि—अन्वरशा फकीर या मुस्लीम व्यक्तीमत्वाची ओळख विद्यार्थ्यांना करून देणे. साध्य—लहान मुले, स्त्रीया, माणसे व आजुबाजूच्या गावातील जनतेसाठी उपयुक्त असे अन्वरशा फकीराचे व्यक्तिमत्व असल्याचे विद्यार्थ्यांना कळून आले.

प्रकरण —९.उद्ष्टि— दाभोळकराच्या अंधश्रध्दा निर्मूलनाचे कार्याची माहिती विद्यार्थ्यांना करुन देणे. साध्य—वैज्ञानिक दृश्य्टकोण व शास्त्रीय विचार पध्दतीने अंधश्रध्दा निर्मूलन करण्याचे घ्येय दाभोळकरांचे होतेयाची माहिती विद्यार्थ्यांना झाली.

प्रकरण —१०.उद्ष्टि—महिला ग्रामपंचायतीच्या निवडणूकीचे चित्रण विद्यार्थ्यांना सांगणे. साध्य—ग्रामीण भागातील ग्रामपंचायत मधील निवडणूकीची माहिती व परिस्थितीची जाणीवविद्यार्थ्यांना आली.

Unit II:

कविता— १.उद्ष्य—संत तुकारामांनी अभंगााच्या आधारे समाजजीवनाचे वर्णन केलेले चित्रण विद्यार्थ्यांना सांगणे.

साध्य—अभंगााच्या आधारे तत्कालीन सामाजिक परिस्थितीची जाणीव विद्यार्थ्यांना झाली.

कविता -२.उद्ष्ट-श्शाहिर प्रभाकरांनी केलेले पंढरीवर्णन वर्णन करणे व महत्व प्रतिपादन करणे.

साध्य-विठ्ठल, रुक्मिणी, व पंढरपूर नगरी, भिमातट याची विद्यार्थ्यांना माहिती मिळाली.

कविता— ३.उद्ष्ठ—चाफा या कवितेतून शुध्द प्रेमाचे भाववर्णन करणे.

साध्य-साधे प्रेम व आंतरिक शुध्द प्रेमाची सार्थकता विद्यार्थ्यांना पटली.

कविता— ४.उद्ष्टि—ध्येय आणि परिस्थितीया दोन्हींही ओढल्या जाणाऱ्या जीवाची ओढताण वर्णन करणे

साध्य—कळा ज्या लागल्या जीवा यातून ज्याचे दु:ख त्यालाच सहन करावे लागते याची जाणीव विद्यार्थ्यांना झाली.

कविता— ५.उद्ष्ठि—समाधान कवितूतून नायकाच्या वाटयाला आलेल्या कष्टपद जीवनाचे दर्शन घडविणे

साध्य—कविला त्याच्या पत्निचा प्रेमळ सहवास व निसर्गरम्य परिसरामुळे जीवन सुसहय वाटते याची साक्ष विद्यार्थ्यांना पटली.

कविता— ६.उद्ष्टि—ही निळी पांढरी कवितेतील शरद ऋतूतील दुपारचे वर्णन करुन देणे.

साध्य—इंदिरा संतानी केलेलीशरद ऋतृतील उन्हाची माहिती विद्यार्थ्यांना प्राप्त झाली.

कविता —७.उदुष्ठ—दोन ज्योती यातून कविने वर्णन केलेल्या दोन ज्योतीचा उलघडा करणे

साध्य—एक दु:खाची ज्योत लाल असते व दुसरी दु:खाची ज्योत काळी असून तीचे दु:ख कायम टिकणारे असते याची जाणीव विद्यार्थ्यांना झाली.

किवता— ८.उद्ष्ठि—पाऊस कवितेतून स्त्री मनाच्या विविध भावावस्था विद्यार्थ्यांना उलघडून दाखिवणे . साध्य—ग्रेस कवीने रेखाटलेले स्त्री वेदनेचे स्वरुप व स्त्री मनाच्या भावना याविषयीविद्यार्थ्यांना माहिती मिळाली.

कविता— ९.उद्ष्ठ—प्रेम कवितेच्या आधारे कविने रेखाटलेले पीडितांचे चित्रन करुन जाणीव करून देणे.

साध्य—मानवी समाजरचनेत माणूसपण विसरत चालला असून पीडितांना न्याय मिळत नसल्याची साक्ष विद्यार्थ्यांना पटली.

कविता— १०.उद्ष्टि— टाहारा कवितेतून आदिवासी समाजाला कसा पुढारी हवा याची माहिती विद्यार्थ्यांना देणे.

साध्य—कवितेत वर्णन केलेला आदिवासिंचा पुढारी कविला हवा असल्याची जाणीव विद्यार्थ्यांना झाली.

Unit III:

प्रकरण — १.उदुष्ठ—संपादन प्रक्रिया, प्रेरणा व स्वरुप याविषयीची माहिती विद्यार्थ्यांना देणे.

साध्य —ग्रंथाचे संपादन कसे करावे, संपादनाच्या प्रेरणा कोणत्या, व ग्रंथाचे स्वरुप कसे असते याचे ज्ञान विद्यार्थ्यांना प्राप्त झाले.

प्रकरण — २.उदिष्ठ—कार्यालयीन लेखनव्यवहाराविषयी विद्यार्थ्यांना माहिती देणे.

साध्य—कार्यालयीन लेखव्यवहारात टिप्पणी, पध्दती व अप्पणीचे प्रकार याची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण — **३.उद्घि**—ग्रंथपरीक्षण कसे करावे व ग्रंथवाचन करताना कोणते घटक बघावेत याची माहिती विद्यार्थ्यांना करणे.

साध्य— ग्रंथपरीक्षण करताना परिक्षणाची पहीली पायरी ग्रंथवाचन होय त्यानंतर इतर बाबींक्डे लक्ष्य द्यावे याची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण — ४.उद्ष्ठ—इंटरनेट आणि मराठी भाषा व साहित्य याची माहिती विद्यार्थ्यांना करुन देणे. साध्य— संगणक संवाद,मराठी संकेतस्थळे, इंटरनेटवरील मराठी दैनिके, व मायबोली या संकेतस्थळावरील लेख, कविता, व इतर मराठी साहित्याची माहिती विद्यार्थ्यांना झाली.

Department of Political Science Course Objectives and Course Outcomes

Course Objectives

- To understand the difference between scholarly and popular publications in Comparative Politics.
- To understand the issues of International and Domestic Politics and Public Policy.
- To analyze contemporary problems in the countries under consideration in light of the conceptual frameworks presented in class.
- To discuss the major theories and concepts of political science and its subfields.
- To relate the basics of International Relations and the new trends in the realm of International Relations.

Course Outcomes

- Understood the analysis of the institutions, political behavior and political ideas of another country comparing these attributes to the Indian model.
- Exposed the issues of International and Domestic Politics and Public Policy
- Analyzed contemporary problems in the countries under consideration in light of the conceptual frameworks presented in class.
- Presented the major theories and concepts of political science and its subfields.
- Made aware of the basics of International Relations and the new trends in the realm of international relations.

Department of Economics

Course Objectives and Course Outcomes

Unit – I Nature of Indian Economy

Objective –To introduce the basic Knowledge of the Indian Economy

Outcome -Students learnt about the Knowledge of the Indian Economy.

Unit – II Agriculture

Objective –To explain the importance of the Agriculture Sectorthe in Indian Economy. Outcome -Students learnt about the Importance of the Agriculture Sectorthe in Indian Economy.

Unit – III - Industry

Objective –To explain the Importance and Role of Industries in Economic Development

Outcome -Students learnt about the Knowledge of Industries in the Economic Development.

Unit – IV- Employment and Poverty

Objective- To develop preliminary knowledge of Employment and Poverty

Outcome -Students learnt about the preliminary knowledge of Employment and Poverty.

Department of English

Course Objectives and Course Outcomes

English Literature

Objective: To enable students to analyse literary text.

Outcome: Students showed their ability to analyze literary text.

Objective: To enable students to interpret literary texts.

Outcome: Students showed their ability to interpret the literary text.

Objective: To enable students to understand significant developments in the history of English and Indian literature.

Outcome: Students became aware of significant developments in the history of English and Indian literature

Objective: To enable students to apply theoretical approaches to the critical reading of literary texts.

Outcome: Students tried to apply theoretical approaches to the critical reading of literary texts.

Department of Sociology

Course Objectives and Course Outcomes

Indian Society: The Structural Issues

Unit - I Indian Society, Structure and Inequality

Objective - To know in detail about Indian Society, Structure and Inequality

Outcome - Student understood the concept of Indian Society, Structure and Inequality

Unit - II Family in Contemporary India

Objective - To make the students aware of Family in Contemporary India.

Outcome -Student understood the concept of Family in Contemporary India

Unit - III Tribal Issues and Problems in India

Objective - To make the students aware of Tribal Issues and Problems in India.

Outcome – Students understood the concept of Tribal Issues and Problems in India.

Unit - IV Rural Community in India

Objective - To make the students know in details about Rural Community in India.

Outcome - Student understood the concept of Rural Community in India

Department of History Course Objectives and CourseOutcomes

Modern World (1789-1920)

Course Objectives

- To understand What were the causes and consequences of the French Revolution?
- To study how imperialism came into being.
- To study World War- I Treaty of Vasai.
- To understand United Nation and its performance.

Course Outcomes

- Understoodthe French Revolution the first revolution in the world.
- Studied, what are the reasons for imperialism?.
- Understood World War -I the Treaty of Vasai.
- Learned about the United Nations and its achievements and

Failures.

Department of Marathi

Course Objectives and Courre Outcomes

Marathi Literature

Unit I:

प्रकरण — ६.उद्ष्ठि—चक्र या कथेतून महाभारतातील द्रौपदी या स्त्रीचे चित्रण विद्यार्थ्यांना माहित करुन देणे.

साध्य—महाभारतातील द्रौपदीच्या मनातील गूढ वगुंतागुंतीचे भावनीक प्रसंगाची माहिती विद्यार्थ्यांना प्रापत झाली.

प्रकरण — ७.उद्ष्ठ—पक्षीगान पाठातून पक्ष्यांच्या सौंदर्याचे दर्शन घडविणे..

साध्य—पक्षीगान मधून विविधक्षी, पक्ष्यांची घरटी, त्यांची पिल्ले यांची माहिती व ओळख विद्यार्थ्यांना झाली.

प्रकरण — ८.उद्ष्टि—अन्वरशा फकीर या मुस्लीम व्यक्तीमत्वाची ओळख विद्यार्थ्यांना करून देणे.

साध्य—लहान मुले, स्त्रीया, माणसे व आजुबाजूच्या गावातील जनतेसाठी उपयुक्त असे अन्वरशा फकीराचे व्यक्तिमत्व असल्याचे विद्यार्थ्यांना कळून आले.

प्रकरण —९.उद्ष्टि— दाभोळकराच्या अंधश्रध्दा निर्मूलनाचे कार्याची माहिती विद्यार्थ्यांना करुन देणे. साध्य—वैज्ञानिक दृथ्य्टकोण व शास्त्रीय विचार पध्दतीने अंधश्रध्दा निर्मूलन करण्याचे घ्येय दाभोळकरांचे होतेयाची माहिती विद्यार्थ्यांना झाली.

प्रकरण —१०.उद्दिष्ठ—महिला ग्रामपंचायतीच्या निवडनूकीचे चित्रण विद्यार्थ्यांना सांगणे.

साध्य—ग्रामीण भागातील ग्रामपंचायत मधील निवडणूकीची माहिती व परिस्थितीची जाणीवविद्यार्थ्यांना आली.

Unit II:

कविता— ६.उद्ष्टि—ही निळी पांढरी कवितेतील शरद ऋतूतील दुपारचे वर्णन करुन देणे.

साध्य—इंदिरा संतानी केलेलीशरद ऋतूतील उन्हाची माहिती विद्यार्थ्यांना प्राप्त झाली.

कविता -७.उद्षिष्ठ-दोन ज्योती यातून कविने वर्णन केलेल्या दोन ज्योतीचा उलघडा करणे

साध्य—एक दु:खाची ज्योत लाल असते व दुसरी दु:खाची ज्योत काळी असून तीचे दु:ख कायम टिकणारे असते याची जाणीव विद्यार्थ्यांना झाली.

किवता— ८.उदि्ष्ठ—पाऊस कवितेतून स्त्री मनाच्या विविध भावावस्था विद्यार्थ्यांना उलघडून दाखिवणे . साध्य—ग्रेस कवीने रेखाटलेले स्त्री वेदनेचे स्वरुप व स्त्री मनाच्या भावना याविषयीविद्यार्थ्यांना माहिती मिळाली.

कविता— ९.उद्घ्यि—प्रेम कवितेच्या आधारे कविने रेखाटलेले पीडितांचे चित्रन करुन जाणीव करून देणे.

साध्य—मानवी समाजरचनेत माणूसपण विसरत चालला असून पीडितांना न्याय मिळत नसल्याची साक्ष विद्यार्थ्यांना पटली.

कविता— १०.उद्ष्ठ— टाहारा कवितेतून आदिवासी समाजाला कसा पुढारी हवा याची माहिती विद्यार्थ्यांना देणे.

साध्य—कवितेत वर्णन केलेला आदिवासिंचा पुढारी कविला हवा असल्याची जाणीव विद्यार्थ्यांना झाली.

Unit III:

प्रकरण — ३.उद्ष्ठि—ग्रंथपरीक्षण कसे करावे व ग्रंथवाचन करताना कोणते घटक बघावेत याची माहिती विद्यार्थ्यांना करणे.

साध्य— ग्रंथपरीक्षण करताना परिक्षणाची पहीली पायरी ग्रंथवाचन होय त्यानंतर इतर बाबींक्डे लक्ष्य द्यावे याची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण — ४.उद्ष्टि—इंटरनेट आणि मराठी भाषा व साहित्य याची माहिती विद्यार्थ्यांना करुन देणे.

साध्य— संगणक संवाद,मराठी संकेतस्थळे, इंटरनेटवरील मराठी दैनिके, व मायबोली या संकेतस्थळावरील लेख, कविता, व इतर मराठी साहित्याची माहिती विद्यार्थ्यांना झाली

Department of Marathi Course Objectives and Outcomes Compulsory Marathi

Unit I:

प्रकरण — ६.उद्ष्ठि—चक्र या कथेतून महाभारतातील द्रौपदी या स्त्रीचे चित्रण विद्यार्थ्यांना माहित करुन देणे.

साध्य— महाभारतातील द्रौपदीच्या मनातील गूढ वर्गुतागुंतीचे भावनीक प्रसंगाची माहिती विद्यार्थ्यांना प्रापत झाली.

प्रकरण — ७.उद्ष्ठि—पक्षीगान पाठातून पक्ष्यांच्या सौंदर्याचे दर्शन घडविणे..

साध्य—पक्षीगान मधून विविधक्षी, पक्ष्यांची घरटी, त्यांची पिल्ले यांची माहिती व ओळख विद्यार्थ्यांना झाली.

प्रकरण — ८.उदि्ष्ठ—अन्वरशा फकीर या मुस्लीम व्यक्तीमत्वाची ओळख विद्यार्थ्यांना करून देणे. साध्य—लहान मुले, स्त्रीया, माणसे व आजुबाजूच्या गावातील जनतेसाठी उपयुक्त असे अन्वरशा फकीराचे व्यक्तिमत्व असल्याचे विद्यार्थ्यांना कळून आले.

प्रकरण — ९. उदिष्ठ— दाभोळकराच्या अंधश्रध्दा निर्मूलनाचे कार्याची माहिती विद्यार्थ्यांना करुन देणे. साध्य—वैज्ञानिक दृथ्टकोण व शास्त्रीय विचार पध्दतीने अंधश्रध्दा निर्मूलन करण्याचे घ्येय दाभोळकरांचे होते याची माहिती विद्यार्थ्यांना झाली.

प्रकरण —१०.उद्ष्ठ—महिला ग्रामपंचायतीच्या निवडनूकीचे चित्रण विद्यार्थ्यांना सांगणे. साध्य— ग्रामीण भागातील ग्रामपंचायत मधील निवडणूकीची माहिती व परिस्थितीची जाणीव विद्यार्थ्यांना आली.

Unit II:

किवता— ६.उद्ष्टि—ही निळी पांढरी किवतेतील शरद ऋतूतील दुपारचे वर्णन करुन देणे. साध्य—इंदिरा संतानी केलेलीशरद ऋतूतील उन्हाची माहिती विद्यार्थ्यांना प्राप्त झाली.

कविता —७.उद्ष्य—दोन ज्योती यातून कविने वर्णन केलेल्या दोन ज्योतीचा उलघडा करणे .

साध्य—एक दु:खाची ज्योत लाल असते व दुसरी दु:खाची ज्योत काळी असून तीचे दु:ख कायम टिकणारे असते याची जाणीव विद्यार्थ्यांना झाली.

किवता— ८.उद्ष्ठि—पाऊस कवितेतून स्त्री मनाच्या विविध भावावस्था विद्यार्थ्यांना उलघडून दाखविणे . साध्य—ग्रेस कवीने रेखाटलेले स्त्री वेदनेचे स्वरुप व स्त्री मनाच्या भावना याविषयीविद्यार्थ्यांना माहिती मिळाली.

कविता— ९.उद्ष्ट—प्रेम कवितेच्या आधारे कविने रेखाटलेले पीडितांचे चित्रन करुन जाणीव करून देणे.

साध्य—मानवी समाजरचनेत माणूसपण विसरत चालला असून पीडितांना न्याय मिळत नसल्याची साक्ष विद्यार्थ्यांना पटली.

कविता— १०.उद्ष्ठ— टाहारा कवितेतून आदिवासी समाजाला कसा पुढारी हवा याची माहिती विद्यार्थ्यांना टेणे **साध्य**—कवितेत वर्णन केलेला आदिवासिंचा पुढारी कविला हवा असल्याची जाणीव विद्यार्थ्यांना झाली.

Unit III:

प्रकरण — ३.उद्ष्ठ—ग्रंथपरीक्षण कसे करावे व ग्रंथवाचन करताना कोणते घटक बघावेत याची माहिती विद्यार्थ्यांना करणे.

साध्य— ग्रंथपरीक्षण करताना परिक्षणाची पहीली पायरी ग्रंथवाचन होय त्यानंतर इतर बाबींक्डे लक्ष्य द्यावे याची माहिती विद्यार्थ्यांना प्राप्त झाली.

प्रकरण — ४.उद्ष्ठि—इंटरनेट आणि मराठी भाषा व साहित्य याची माहिती विद्यार्थ्यांना करुन देणे. साध्य— संगणक संवाद,मराठी संकेतस्थळे, इंटरनेटवरील मराठी दैनिके, व मायबोली या संकेतस्थळावरील लेख, कविता, व इतर मराठी साहित्याची माहिती विद्यार्थ्यांना झाली

Department of English Course Objectives and Course Outcomes Compulsory English

Objective: To enable students to read fluently with proper pronunciation and comprehend the prose.

Outcome: Students read fluently with proper pronunciation and comprehended the prose

Objective: to make students enable to understand and enjoy one act play **Outcome**: Students understood and enjoyed one-act-play.

Objective: To enable students to understand the poets and their prescribed poetry.

Outcome- Students understood the theme of the poems and had knowledge about the prescribed poets.

Objective: To enable students to have knowledge of applied skills like composing an Email, Curriculum vitae, paragraph with the help of given hints/points.

Outcome: Students had knowledge of applied skills like composing an Email, Curriculum vitae, paragraph with the help of given hints/points.

Objective: To enrich conversational skills of students **Outcome**: Conversational skill of students improved.

Department of Political Science Course Objectives and Course Outcomes

Course Objectives

- To understandthe difference between scholarly and popular publications in Comparative Politics.
- To understand the issues of International and Domestic Politics and Publicpolicy.
- To analyze contemporary problems in the countries under consideration in light of the conceptual frameworks presented in class.

- To discuss the major theories and concepts of political science and its subfields.
- To relate the basics of International Relations and the new trends in the realm of International Relations.

Course Outcomes

- Understood the analysis of the institutions, political behavior and political ideas of another country comparing these attributes to the Indian model
- Understood the issues of International and Domestic Politics and Public Policy
- Analyzed contemporary problems in the countries under consideration in light of the conceptual frameworks presented in class.
- Presented with the major theories and concepts of political science and its sub fields.
- Made aware of the basics of International Relations and the new trends in the realm of international relations.

Department of Economics

Course Objectives and Course Outcomes

Unit -I: Economic Development and Growth

- Objective- To develop the ability to explain the core economic Sector of Economic Development and Growth.
- Outcome Students learnt and accepted the Knowledge of Economic Development and Growth.

Unit –II: Planning and Policy

- Objective –To introduce the theory of Planning and Policy.
- Outcome Students learnt the theory of Planning and Policy

Unit -III: Public Finance

- Objective- To develop preliminary knowledge of Public Finance.
- Outcome Students learnt preliminary knowledge of Public Finance.

Unit –IV: International Trade

- Objective- To explain the theory of International Trade.
- Outcome –Students learnt about the theory of International Trade.

Department of Sociology

Course Objectives and Course Outcomes Current Social Problems in India

Unit - I Education in Contemporary

Objective - To make the students in detail about Education in Contemporary India.

Outcome - Students understood the concept of Education in Contemporary India.

Unit - II Displacement and Rehabilitation

Objective – To make the students aware of Displacement and Rehabilitation.

Outcome – Studentsunderstood the concept of Displacement and Rehabilitation.

Unit - III Intolerance, Riot Crime

Objective - To make students know in detail about Intolerance, Riot Crime.

Outcome - Students understood the concept of Intolerance, Riot Crime.

Unit IV Corruption

Objective - To make students aware of Corruption.

Outcome -Students understood the concept of Corruption.

Department of History

Course Objectives and Course Outcomes

B.A.III (VI -Sem.) Modern World (1920 -1960)

Course Objectives

- To Study what were Russia's five-year plans?
- To understand Hitler Mussolini's foreign policy.
- To understand the Causes of World War II.
- To study the United Nations the and performance of Suez Canal.

Course Outcomes

- Learned about Russia's Five-Year Plan
- Learned about Hitler Mussolini's foreign policy in detail.
- Learned the reasons for the Second World War.
- Received information about the United Nations.
- Understood the performance of the Suez Canal, NATO SEATO, Warsaw Pact.

Department of Marathi Course Objectives and Outcomes

Marathi Literature

Unit I:

गरूडझेप- भरत आंधळे

उदिष्ठ गरूड झेप मधील लेखकानी नोकरीसाठी ध्येयवेडा प्रवास कसा केला याची माहिती देऊन विद्यार्थ्यांना प्रेरीत करणे.

साध्य— भरत आंधळेच्या शैक्षणिक प्रगतीचा व स्पर्धा परीक्षेच्या कार्याचा आढावा घेऊन विद्यार्थ्यांनी गरुडझेप आत्मकथनातून पेरणा घेतली.

प्राचीन मराठी वाइ.मयाचा इतिहास— ल.रा. निशराबादकर.

उद्ष्ठ— प्राचीन मराठी वाड्.मयाचा इतिहासाच्या आधार संतसाहित्य, पंडिती साहित्य,शाहिरी साहित्य, बखर वाड्.मय या साहित्याची माहिती विद्यार्थ्यांना देणे

साध्य— संतसाहित्य, पंडिती साहित्य,शाहिरी साहित्य, बखर वाड्.मय या साहित्याची माहिती विद्यार्थ्यांना झाली.

भाषाविज्ञानाचा परिचय. डॉ. मालसे, डॉ. कुळकर्णी

उदिष्ठ— भाषाविज्ञानाचा परिचय विद्यार्थ्याना करून देणे.

साध्य— मराठी मुळाक्षरे, स्वन व स्वनांतरे यांची माहिती विद्यार्थ्यांना झाली.

Bachelor of Commerce

Semester -I Course Objectives and Course Outcomes Compulsory English

Course Objectives

- To understand the meaning of start-up through the prescribed Life Sketches of Start-up founders.
- To understand financial and business acumen through basic research skillsfor business.
- To understand and value inclusivity in human nature.
- To prioritize the importance of human life and wealth.
- To understand horror stories with elements of surprise and irony.
- To understand expansive and imaginative concepts.
- To understand the meanings of motivation and indomitable spirit.
- To take up tasks and not to worry about the end result for the larger benefit of Human-kind.
- To understand that tranquil temperament is the most potent weapon one can have against diversity.
- To understand grammar and apply it in their writing skills.

Course Outcomes

- Understood the meaning of Start-up through the prescribed Life Sketches of Start-up founders.
- Understood financial and business acumen through basic research skills for business.
- Understood and value inclusivity in human nature.
- Understood prioritize the importance of human life and wealth.
- Understood horror stories with elements of surprise and irony.
- Understood expansive and imaginative concepts .

- Understood the meanings of motivation and indomitable spirit.
- Understood tasks and not to worry about the end result for the larger benefit of Human kind.
- Understood that tranquil temperament is the most potent weapon one can have against diversity.
- Understood grammar and apply it in their writing skills.

Department of Marathi

Course Objectives and Course Outcomes

Course Objectives

उदिष्टे:- 1. मराठी भाषेविषयी विदयार्थ्यांमध्ये अभिरुची निर्माण करणे.

- 2. साहित्यलेखनाची व वाचनाची आवड निर्माण करणे.
- 3. विदयार्थ्यांमध्ये असलेंल्या सुप्त कलांगुणांना वाव देऊन त्यांच्यात साहित्यविषयक वृध्दिंगत करणे.
- 4. साहित्यातून मानवतावादी दृष्टिकोण रुजविणे.
- 5. साहित्यातून समाजातील प्रश्नांना वाचा फोडून त्यांचे निराकरण करणे.

Course Outcomes

ध्येय:- 1. भावी काळात विदयार्थ्यांमधून साहित्यनिर्मिती करणे.

- 2. अध्यापन व अध्ययनात विदयार्थ्यांना सहभागी करुन संवादशील वातावरण निर्मिती करणे.
- 3. विभागात विविध उपक्रमांचे आयोजन करुन मराठी भाषेचा दर्जा वाढविणे
- 4. विदयार्थ्यांमध्ये संशोधनवृत्ती वृध्दिंगत करणे.
- 5. मराठी भाषेची प्रयोगशाळा निर्माण करणे.
- CO1 भारतीय लोकशाहीचे मूल्य विदयार्थ्यांमध्ये रुजविणे.
- CO2 ग्रामीण जनजिवन व शेतीनिष्ठेशी विदयार्थ्यांची नाळ जोळणे.
- CO3 संताच्या व्यावहारीक विचारांचा परिचय घडविणे.
- CO4 शाह महाराजाच्या आरक्षण विषयी विचारांचा परिचय घडविणे.
- CO5 काव्यातील रसग्रहणक्षमता विकसीत करणे.
- CO6 विदयार्थ्यामध्ये आधृनिक मूल्य रुजविणे
- CO7 विदयार्थ्यामध्ये सामाजीक बांधिलकी निर्माण करणे.
- CO8 विदयार्थ्यामध्ये सर्जनशीलता निर्माण करणे.

Financial Accounting

Course Objectives and Course Outcomes

Unit No.I - Financial Accounting.

- Objective- To makethe students understand Financial Accounting. Meaning, Principles& Problem.
 - Outcome -Students understood the following topics. Financial Accounting. Meaning, Objective, Principles & Problem.

Unit No 2- Hire Purchase Account.

- Objective To makethe students understand Hire Purchase Account Meaning, Method & Problems.
- Outcome- Students understood the following topics
 Hire Purchase Account Meaning, Method & Problems.

- Unit No 3- Final Account of Co-Operative Societies.
 - Objective To make the students to understand the Final AccountCo-Operative Societies. Introduction, Type, Co-operative Legislation and Problems.
 - Outcome- Students understood the following topics
 Final Account of Co-Operative Societies
 Introduction, Type, Co-Operative Legislation and Problems

Unit No 4- Join Venture Accounts.

- Objective- To make the students understand Join Venture Accounts Meaning, Method and Problem.
- Outcome Students understood the following topics
 Join Venture Accounts Meaning, Method and Problems.

BUSINESS ORGANISATION

Course Objectives and Course Outcomes

Objectives

- To make the students understand the concept, objective, importance of business.
- To acquaint the students with various forms of Business organization and their functioning.
- To make the students understand the concept, functions of Organization and types of Organization.
- To make the students understand the Internal constituents of the Business Organization KeyManageriall Personnel, Chairman, Chief executive officer, E-Commerce, E-business and E-banking.

Outcomes

- Students understood the concept, objective and importance of business.
- Acquainted the students with various forms of Business organization and their functioning.
- Understood the concept, functions of Organization and types of Organization.
- Understood Internal constituents of the Business Organization Key managerial Personnel, Chairman, Chief executive officer, E-Commerce, E-business and E-banking.

Company Law

Course Objectives and Course Outcomes

Unit No. I - Background of New Company

- Objective To makethe students understandthe Background of New Company
 Act 2013, Corporate Personality & Kinds of Company.
- Outcome Students understood the following topics. Background of New Company Act 2013, Corporate Personality & Kinds of Company.

Unit No 2- Memorandum of Association, Article of Association and Prospectus.

- Objective To make the students understand the Memorandum of Association, Article of Association and Prospectus.
- Outcome Students understood the Memorandum of Association, Article of Association and Prospectus.

Unit No 3- Shares and Share Capital

- Objective- To makethe studentsunderstand Shares and Share Capital.
- Outcome-Capital.
 Students understood the following topics Shares and Share

Unit No 4- Membership in a company, Director.

- Objective To makethe students understand Membership in a company, Director.
- Outcome- Students understood the following topics Membership in a company, Director.

Department of English Semester-II Compulsory English Course Objectives and CourseOutcomes

Course Objectives

- To understand the meaning of Start-up through the prescribed Life Sketches of Start-up founders.
- To understand financial and business acumen through basic research skills for business.
- To understand and value inclusivity in human nature.
- To prioritize the importance of human life and wealth.
- To understand horror stories with elements of surprise and irony.
- To understand expansive and imaginative concepts.
- To understand the meanings of motivation and indomitable spirit.
- To take up tasks and not to worry about the end result for the larger benefit of Humankind.
- To understand that tranquil temperament is the most potent weapon one can have against diversity.
- To understand grammar and apply it in their writing skills.

Course Outcomes

- Understood the meaning of Start-up through the prescribed Life Sketches of Start-up founders.
- Understood financial and business acumen through basic research skills for business.
- Understood and valued inclusivity in human nature.
- Understood prioritizing the importance of human life and wealth.
- Understood horror stories with elements of surprise and irony.
- Understood expansive and imaginative concepts.
- Understood the meanings of motivation and indomitable spirit.

- Understood the tasks and not to worry about the end result for the larger benefit of Human kind.
- Understood that tranquil temperament is the most potent weapon one can have against diversity.
- Understood grammar and apply it to their writing skills.

Department of Marathi Course Objectives and Outcomes

- CO1 भारतीय लोकशाहीचे मूल्य विदयार्थ्यांमध्ये रुजविणे.
- CO2 ग्रामीण जनजिवन व शेतीनिष्ठेशी विदयार्थ्यांची नाळ जोळणे.
- CO3 संताच्या व्यावहारीक विचारांचा परिचय घडविणे.
- CO4 शाह महाराजाच्या आरक्षण विषयी विचारांचा परिचय घडविणे.
- CO5 काव्यातील रसग्रहणक्षमता विकसीत करणे.
- CO6 विदयार्थ्यामध्ये आधुनिक मृत्य रुजविणे
- CO7 विदयार्थ्यामध्ये सामाजीक बांधिलकी निर्माण करप
- CO8 विदयार्थ्यामध्ये सर्जनशीलता निर्माण करणे.

Statistics and Business Mathematics

Course Objectives and Course Outcomes

Unit No. I - Statistics & Measures of Central Tendency

- Objective To makethe students understand the Background of Statistics & Measures of Central Tendency.
- Outcome Students understood the following topics. Statistics & Measures of Central Tendency.

Unit No 2-Dispersion.

- Objective To makethe students understand Dispersion.
- Students understood the following topics Dispersion. Outcome -

Skewness Unit No 3-

- Objective To makethe studentsunderstand Skewness.
 Outcome Students understood the following topics Skewness.

Unit No 4-**Business Mathematics**

- Objective- To makethe studentsunderstand Business Mathematics.
- Outcome Students understood the following topics.

BUSINESS MANAGEMENT

Course Objectives and Course Outcomes

Course Objectives

- To make the students understand the Meaning, types of management, Principles, function of Business Management.
- To make the students know about Planning and Decision Making.
- To make the students know about Delegation of Authority and coordination& Controlling.

- To expose the students for the applicability of recent trends in management practices.
- To make students familiar with the modern management practices being used by the corporate world.

Course Outcomes

- Understood the Meaning, types of management, Principles, and function of Business Management.
- Knew about Planning and Decision Making.
- Students knew about Delegation of Authority and coordination& Controlling.
- Exposed the students for the applicability of recent trends in management practices.
- Understood and became familiar with the modern management practices being used by the corporate world.

Secretarial Practice Course Objectives and Course Outcomes

Unit No. I - Incorporation of Company

- Objective To make the students understand the Incorporation of Company, Directors of Company.
- Outcome -Students understood the following topics Incorporation of Company, Directors of Company.

Unit No 2- Company Meeting, Company Agenda & Voting and Resolution.

- Objective To make the students understand the Company Meeting, Company Agenda & Voting and Resolution.
- Outcome- Understood the Company Meeting, Company Agenda & Voting and Resolution.

Unit No 3- Report Writings, Secretarial audit & E-Governance and E-Filing

- Objective To make the students understand Report Writings, Secretarial Audit&E-Governance and E-Filing.
- Outcome Students get well understood the following topics Report Writings, Secretarial audit &E-Governance and E-Filing.

Unit No 4- Key Management Personnel, Appointment of Director & Management Remuneration.

- Objective To Make the students understand Key Management Personnel, Appointment of Director & Management Remuneration.
- Outcome Students understood the following topics Key Management Personnel, Appointment of Director & ManagementRemuneration.

Business Economics II Course Objectives and Course Outcomes

Unit I-

Market Structure

Objective- To make the students understand the Market structure.

Outcome-Students understood the Market Structure.

Unit II-

Perfect & Imperfect Competition Markets

Objective- Students should become aware of Perfect & Imperfect Competition.

Outcome-Students understood Perfect& Imperfect Competition.

Unit III-

Theories of Distribution

Objective- Students should become aware of the Theory of Distribution.

Outcome-Students understood & they applied their knowledge.

Unit IV-

Business cycles & National Income

Objective- Students should become aware of Business cycles & National Income.

Outcome-Students understood Business cycles & National Income.

Compulsory English Semester-III Course Objectives and Course Outcomes

Course Objectives

- To understand the meaning of Start-up through the prescribed Life Sketches of Start-up founders.
- To understand financial and business acumen through basic research skills for business.
- To understand and value inclusivity in human nature.
- To prioritize the importance of human life and wealth.
- To understand horror stories with elements of surprise and irony.
- To understand expansive and imaginative concepts.
- To understand the meanings of motivation and indomitable spirit.
- To take up tasks and not to worry about the end result for the larger benefit of Human kind.
- To understand that tranquil temperament is the most potent weapon one can have against diversity.
- To understand grammar and apply it in their writing skills.

Course Outcomes

- Understood the meaning of Start-up through the prescribed Life Sketches of Start-up founders.
- Understood financial and business acumen through basic research skills for business.
- Understood and valued inclusivity in human nature.

- Understood prioritizing the importance of human life and wealth.
- Understood horror stories with elements of surprise and irony.
- Understood expansive and imaginative concepts.
- Understood the meanings of motivation and indomitable spirit.
- Understood tasks and not to worry about the end result for the larger benefit of Humankind.
- Understood that tranquil temperament is the most potent weapon one can have against diversity.
- Understood grammar and apply it in their writing skills.

Department of Marathi Semester III

Course Objectives and Outcomes

- CO1 मातृभाषेची आवड व जाणीव निर्माण करणे
- CO2 प्राचिन मराठीचे वैशिष्ट्रे स्पष्ट करणे.
- CO3 विनोदी लेखनात खेळकरवृत्तीचे दर्शन घडविणे.
- CO4 संत साहित्यातून सामाजिक, सांस्कृतीक, आध्यात्मिक लोकशाहीचा पुरस्कार करणे.
- CO5 स्त्री विषयक जाणिव जागृती करणे.
- CO6 वृत्त लेखन व कल्पना विस्तार तंत्राची माहिती अवगत करणे.

Financial Accounting II

Semester III

Unit I-

Consignment Accounts

Objective- Students should become awareof the topic of Consignment Accounts.

Outcome-Students understood & solve the Problems.

Unit II-

Branch Accounts

Objective- Students should become aware of topic of Branch Accounts.

Outcomes-Students understood & solved the Problems.

Unit III-

Capital Structure & Issues of Shares

Objective- Students should become aware of topic of Capital Structure & Issues of Shares.

Outcome-Student understood& solved the Problems of Issues of Shares.

Unit IV-

Final Accounts of Joint Stock Companies

Objective- Students should become aware of the topic of Final Accounts of Joint Stock Company.

Outcome- Student understood & solved the problems.

Business Communication & Management Course Objectives and Course Outcomes

- Unit No. I Meaning, Definition and concept of Communication, objective of Communication
- Objective To makethe students understand the Meaning, Definition and concept of Communication, objective of Communication
- Outcome The students understood the Meaning, Definition and concept of Communication, the objective of Communication
- Unit No 2- Business Communication.
- Objective To makethe studentsunderstand the Business Communication.
- Outcome- The students understood Business Communication.
- Unit No 3- Technology and Business Communication
- Objective To makethe studentsunderstand Technology and Business Communication
- Outcome- Students understood the following topics;

Technology and Business Communication.

- Unit No 4- M.S. Office Aided Communication.
- Objective To makethe students understand M.S. Office-Aided Communication.
- Outcome Students understood the following topics;

M.S. Office Aided Communication.

Business Law

Course Objectives and Course Outcomes Course Objectives

- Students will be able to understand various provisions of the related Acts the course gives the knowledge regarding The Indian Contract Act, 1872, The Sales of Goods Act, 1930, The Indian partnership Act 1932, Negotiable Instruments Act 1881.
- To make the students gain knowledge of various legal aspects of the business.
- To make the students understand laws that affect mercantile transactions.

Students will be able to understand court interpretations of laws like,
 Prevention of Money Laundering Act-2002, Consumer Protection Act –
 2002

Course Outcomes

- Student understood various provisions of the related Acts the course gives the knowledge regarding The Indian Contract Act, 1872, The Sales of Goods Act, 1930, The Indian partnership Act 1932, Negotiable Instruments Act 1881.
- Students gained knowledge of various legal aspects of the business.
- Students understood laws that affect mercantile transactions.
- Students understood court interpretations of laws like, the Prevention of Money Laundering Act-2002, Consumer Protection Act – 2002

Monetary Economics-I

Course Objectives and Course Outcomes

Unit I-

Money

Objective- To make the studentsunderstand the concept of Ethe volution of Money & Functions of Money.

Outcome-Students understood the concept of the Evolution of Money & Functions of Money.

Unit II-

Inflation & Deflation

Objective- To make the students understand the concept of inflation and deflation.

Outcome-Students developed their knowledge about inflation and deflation.

Unit III-

Money Market & Policies

Objective- To make the students understand the concept of the Money Market and Monetary Policy.

Outcome-Students understood & they applied their knowledge.

Unit IV-

Public Finance

Objective- To make the students understand the concept of Public Finance.

Outcome-Students applied& developed the knowledge.

Compulsory English Semester-IV Course Objectives and Course Outcomes

Course Objectives

- To understand and value inclusivity in human nature.
- To prioritize the importance of human life and wealth.

- To understand horror stories with elements of surprise and irony.
- To understand expansive and imaginative concepts.
- To understand the meanings of motivation and indomitable spirit.
- To take up tasks and not to worry about the end result for the larger benefit of Humankind.
- To understand grammar and apply it in their writing skills.

Course Outcomes

- Understood and valued inclusivity in human nature.
- Understood prioritizing the importance of human life and wealth.
- Understood horror stories with elements of surprise and irony.
- Understood expansive and imaginative concepts.
- Understood the meanings of motivation and indomitable spirit.
- Understood tasks and not to worry about the end result for the larger benefit of Humankind.
- Understood grammar and apply it to their writing skills.

Department of Marathi Course Objectives and Outcomes

- CO1 मातुभाषेची आवड व जाणीव निर्माण करणेण
- CO2 प्राचिन मराठीचे वैशिष्ट्रे स्पष्ट करणे.
- CO3 विनोदी लेखनात खेळकरवृत्तीचे दर्शन घडविणे.
- CO4 संत साहित्यातून सामाजिक, सांस्कृतीक, आध्यात्मिक लोकशाहीचा पुरस्कार करणे.
- CO5 स्त्री विषयक जाणिव जागृती करणे.
- CO6 वृत्त लेखन व कल्पना विस्तार तंत्राची माहिती अवगत करणे.

Financial Accounting III Course Objectives and Outcomes

Unit I-

Final Accounts of Banking Companies

Objective-Students should become aware of the topic of Final Accounts of Banking Companies.

Outcome-Students understood and solved the Problems.

Unit II-

Final Accounts of General Insurance Companies

Objective- Students should become aware of the topic of Final Accounts of General Insurance Companies.

Outcome-Student understood and solved the Problems.

Unit III-

Valuation of Goodwill

Objective- Students should become aware of the topic of the Valuation of Goodwill.

Outcome-Student understood and solved the Problems.

Unit IV-

Liquidation of Company

Objective- Students should become aware of the topic of the Liquidation of Company.

Outcome-Student understood & solved the Problems.

Skill Development

Course Objectives and Course Outcomes

Unit No. I - Introduction- Basic Personality, Human Growth and Behavior and Motivation.

- Objective To make the students understand the Introduction- Basic Personality, Human Growth and Behavior and Motivation.
- Outcome The students understood the Introduction- Basic Personality, Human Growth and Behavior and Motivation.

Unit No 2- Communication Skill and Personality Development.

- Objective To makethe students understand Communication Skills and Personality Development.
- Outcome The students understood the Communication Skills and Personality Development.

Unit No 3- Techniques in Personality Development.

- Objective To makethe studentsunderstand Techniques in Personality Development.
- Outcome Students understood the following topics Techniques in Personality Development.

Unit No 4- Entrepreneurial Skill Development.

- Objective To makethe students understand Entrepreneurial Skill Development.
- Outcome- Students understood Entrepreneurial Skill Development.

Income Tax Course Objectives and Course Outcomes

Course Objectives

- To make the students understand the basic concepts involved in the Income Tax act and the basics of income tax.
- To make the students understand the Taxable Salary and tax liability.
- Students get exposure to provisions of taxation of house property.
- To make the students understand Income Tax Slab Rates. They know how to deduct under section 80C, 80 CCC, 80CCD, 80D, 80DDB, 80E,80G, 80GG and 80U. Students get exposure to provisions of taxation of Income from other sources.
- They learn the procedure of filing tax returns, Advance tax and tax refunds.

Course Outcomes

- Understood the basic concepts involved in Income Tax act and also the basics of income tax.
- Understood the Taxable Salary and tax liability.
- Students got exposure to provisions of taxation of house property.
- Understood Income Tax Slab Rates. They know how to deduct under section 80C, 80 CCC, 80CCD, 80D, 80DDB, 80E,80G, 80GG and 80U. Students get exposure to provisions of taxation of Income from other sources.
 They learn the procedure of filing tax returns, Advance tax and tax refunds

Monetary Economics-II

Course Objectives and Course Outcomes

Unit I-

Commercial Bank

Objective-To make the students understand the functions of Commercial Bank.

Outcome-Students understood the functions of Commercial Bank

Unit II-

E-Banking and Core Banking

Objective- To make the studentsunderstand-Banking and Core Banking.

Outcome-Students developed their knowledge.

Unit III-

Banks and Customers Relationship and Service

Objective- To make the studentsunderstand the Banks Customers Relationship and Service.

Outcome-Students understood & applied their knowledge

Unit IV-

Central Bank

Objective- To make the students to understand the Central Bank.

Outcome-Students developed the knowledge about Central Bank.

Financial Accounting-IV Semester-V Course Objectives and Course Outcomes

Unit No.I - Amalgamations & Absorption of Companies.

Objective - To makethe students understand Amalgamations & Absorption.

Outcome - Students understood the topics like Amalgamations & Absorption.

Unit No 2- Reorganization & reconstruction of Companies.

Objective - To makethe students understand the Reorganization & reconstruction problem.

Outcome - Students understood the concepts of the Reorganization & reconstruction problems.

Unit No 3- Valuation of Shares

Objective - To makethe students understand Valuation of Shares Problems.

Outcome- Students understood the Valuation of Shares Problems.

Unit No 4- Double Account system

Objective - To make the students understand Double Account system.

Outcome - Students understood the Double Account system.

Management Process Course Objectives and Course Outcomes

Unit I-

Management and Administration

Objective- To make the students understand meaning and difference of Management and Administration.

Outcome-Students applied the knowledge of Management and Administration.

Unit II-

Managerial Development & Group Dynamics

Objective- To make the students to understand the Managerial Development & Group Dynamics

Outcome-Students understood the knowledge of Managerial Development & Group Dynamics.

Unit III-

Managerial Style

Objective- To make the studentsunderstand the Managerial Style.

Outcome-Students developed the knowledge of Managerial Style.

Unit IV-

Motivation:

Objective- To make the studentsunderstand the Motivation.

Outcome- Students understood the meaning of Motivation and their types.

Indian Economics –I

Course Objectives and Course Outcomes

Unit I-

Indian Economy& Planning

Objective- To make the studentsunderstand the Indian Economy & Planning.

Outcome-Students understood the Indian Economy & Planning.

Unit II-

Indian Economy & Policy

Objective- To make the students understand the Indian Economy & Policy.

Outcome-Students understood the concept of the Indian Economy &its Policy.

Unit III-

Population & Unemployment

Objective- To make the students understand the Population & Unemployment.

Outcome-Students understood& created the knowledge.

Unit IV-

India's Public Finance

Objective- To make the students understand the India's Public Finance.

Outcome-Students developed the knowledge of India's Public Finance.

Computerize Accounting Course Objectives and Course Outcomes

Objective - To make the students understand Introduction of Computerize Accounting, Advantage, Need and Accounting Groups.

Outcome - Students understood the following topics; Introduction of Computerize Accounting, Advantage, Need and Accounting

Groups.

Unit No 2- Accounting Software's.

Objective - To makethe students understand Accounting Software.

Outcome - Students understood the topic- Accounting Software.

Unit No 3- Accounts Info Menu, Accounts Groups.

Objective - To makethe studentsunderstand the Accounts Info Menu, Accounts Groups-

Create Group, Ledger Accounts, Voucher& Features of Account Voucher.

Outcome - Students understood the following topicsAccounts Info Menu, Accounts GroupsCreate Group, Ledger Accounts, Voucher & Features of Account
Voucher.

Inventory Info, Features of Inventory Info. Configure.

Objective - To makethe students understand the Inventory Info, Features of the Inventory

Info. Configure.

Unit No 4-

Outcome - Students understood the following topics-Inventory Info, Features of Inventory Info. Configure.

Auditing Course Objectives and Course Outcomes

Course Objectives

- To make the Students learn a lot about the basics of audit and auditing, internal and external check, periodic audits, internal audit exteral audit, continuous audit, cost audit, management audit and annual audit.
 - To make the Students learn the Audit Planning and Audit Documentation and Evidence.
 - To make the studentsunderstand standard on Auditing, Vouching & Verification Vouching, Verification of Assets and Liabilities.
 - A glimpse into company audit gives an idea of appointing a company auditor, and the Procedure of audit in a company etc. along with the rules of company and corporate audit.

Course Outcomes

- Students learnt a lot about basics of audit and auditing, internal and external check, periodic audit, internal audit external audit, continuous audit, cost audit, management audit and annual audit.
 - Students learnt Audit Planning and Audit Documentation and Evidence.
 - Students understood the standard on Auditing, Vouching & Verification Vouching, Verification of Assets and Liabilities.
 - A glimpse into company audit gave an idea of appointing a company auditor, and the Procedure of audit in a company etc.along with the rules of the company and corporate audit.

Financial Accounting-V Semester-VI Course Objectives and Course Outcomes

Unit No.I - Accounting of Holding Company.

- Objective To make the students understand Accounting of Holding Company
- Outcome Students understood the following topics Accounting of Holding Company.

Unit No. 2 - Insurance Claims.

- Objective To make the students understand the Insurance Claims.
- Outcome Students understood the following topics Insurance Claims.

Unit No. 3 - Investment Accounts.

- Objective To make the studentsunderstand Investment Accounts.
- Outcome Students understood the topic- Investment Accounts.

Unit No. 4 - Profit Prior to Incorporation.

- Objective To makethe students understandthe Profit Prior to Incorporation.
- Outcome Students understood the topic- Profit Prior to Incorporation.

Management Accounting

Course Objectives and Course Outcomes

Course Objectives

- To make the students get a clear idea about the concept, objectives, importance and benefits of management accounting along with the basic advantages and significance of various techniques of management accounting and Break-Even Poing Analysis.
- A good idea of preparing various budgets like cash budget, flexible budgets and capital budgets help in drafting budget and budget control measures in organizations.
- Students get a clear idea of Ratio Analysis like- Computation of Profitability Ratio, Financial Ratio with special reference to Current Ratio, Classification of Ratio, Liquid Ratio, Inventory Turnover Ratio, Debtors and Creditors Turnover Ratio, Debt-Equity Ratio, Working Capital Ratio, Earnings per Share Ratio.
- To make the students understand and get a clear idea of the Fund Flow Statement.

Course Outcomes

- Student got a clear idea about the concept, objectives, importance and benefits
 of management accounting along with the basic advantages and significance of
 various techniques of management accounting and Break-Even Poing Analysis.
- Understood good ideas of preparing various budgets like cash budget, flexible budgets and capital budgets help in drafting budget and budget control measures in organizations.
- Students understood clear idea of Ratio Analysis like- Computation of Profitability Ratio, Financial Ratio with special reference to Current Ratio, Classification of Ratio, Liquid Ratio, Inventory Turnover Ratio, Debtors and Creditors Turnover Ratio, Debt-Equity Ratio, Working Capital Ratio, Earnings per share Ratio.
- Understood and got clear idea of Fund Flow Statement

Advanced Statistics

Course Objectives and Course Outcomes

- Objective To makethe students understand the Accounting of Correlation
- Outcome Students understood the following topics. Correlation Company
- Unit No. 2 Regression.
- Objective- To makethe students understand Regression.
- Outcome Students understood the Regression.
- Unit No. 3 Index Number.
- Objective To makethe students to understand Index Number.
- Outcome Students understood the following topics Index Number
- Unit No. 4 Time Series Analysis.
- Objective To makethe students understand Time Series Analysis.
- Outcome- Students understood the Time Series Analysis.

Indian Economics –II

Course Objectives and Course Outcomes

Unit I

Indian Agriculture

Objective- To make the studentsunderstand the Indian Agriculture.

Outcome-Students applied the knowledge.

Unit II

Indian Industry

Objective- To make the studentsunderstand the Indian Industry.

Outcome-Students created the knowledge.

Unit III

India's Service Sector and International Trade

Objective- To make the students understand the India's International Trade.

Outcome-Students developed the knowledge.

Unit IV

Contribution of Indian Economic Thinkers

Objective- To make the students understand the contribution of Indian Economic Thinkers (Mahatma Gandhi, Pandit Dindayal Upadhyaya, Dr. B. R. Ambedkar, Dr. Ram Manohar Lohiya.)

Outcome-Students understood the contribution of Indian Economic Thinkers (Mahatma Gandhi, Pandit Dindayal Upadhyaya, Dr. B. R. Ambedkar, Dr. Ram Manohar Lohiya.)

Human Resource Management

Course Objectives and Course Outcomes

Unit I-

Introduction

Objective- To make the students understand the concept of Human Resources Management & Human Resource Manager.

Outcome-Students understood the concept of Human Resources Management & Human Resource Manager.

Unit II-

Recruitment, selection and training

Objective- To make the students understand the Recruitment, selection and training

Outcome-Students understood the Recruitment, selection and training

Unit III-

Labor welfare and collective bargaining

Objective- To make the students to understand the Labor welfare and collective bargaining.

Outcome-Students understood the Labor welfare and collective bargaining.

Unit IV-

Human Resource Planning and Accounting

Objective- To make the studentsunderstand the Human Resource Planning and Accounting.

Outcome-Students understood Human Resource Planning and Accounting.

Industrial Law

Course Objectives and Course Outcomes Course Objectives

• To make the students to understand The Indian Factories Act, 1948 and The Industrial Disputes Act, 1947.

- Learners learn Laws Relating to Wages, Laws Relating to Bonus and Gratuity, Laws Relating to Employee's State Insurance and Provident Fund and Laws Relating to Workmen Compensation and Maternity Benefits.
- To make the students to understand Child Labour Act, 1986, Trade Union Act, 1926, International Labour Organisation ILO and Contract Labour Act, 1971.
- Students will be able to understand the meaning and nature of Industrial Estate,
 Technology Park, SEZ and Co-operative Industrial Estate.
- Learners learn Intellectual Property Rights Law in India and Environment Protection Act, 1986.

Course Outcomes

- Understood The Indian Factories Act, 1948 and The Industrial Disputes Act, 1947.
- Learned Laws Relating to Wages, Laws Relating to Bonus and Gratuity, Laws Relating to Employee's State Insurance and Provident Fund and Laws Relating to Workmen Compensation and Maternity Benefits.
- Understood Child Labour Act, 1986, Trade Union Act, 1926, International Labour Organisation – ILO and Contract Labour Act, 1971.
- Understood the meaning and nature of Industrial Estate, Technology Park, SEZ and Co-operative Industrial Estate.
- Learners learnt Intellectual Property Rights Law in India and Environment Protection Act, 1986.

Bachelor of Science (B.Sc.)

Semester-I Department of English Compulsory English

Course Objectives and Course Outcomes

Unit I: Objective-Making students' conscious about the functioning of Democracy. **Outcome-**Students tried to understand the importance of democracy.

Unit II: Objective- Making students understand slavery and its effects.

Outcome-Students tried to understand the effects of slavery and its punishing practice.

Unit III: Objective-to make students understand correct usage of Tense, Transformation of sentences and Common errors.

Outcome-Students tried to solve the examples of Tense, Transformation of sentences and Common errors.

Unit IV: Objective-To create the ability of writing Curriculum Vitae.

Outcome-Students attempted to write the Curriculum Vitae.

Unit I: Objective-Making students conscious of slavery, education, and compassion.

Outcome-Students understood the issues related with slavery, education and struggle in life.

Unit II: Objective- Making students understand about Self- reliance, Indian Freedom and words of wisdom.

Outcome- students understood about Self- reliance, Indian Freedom and words of Wisdom.

Unit III: Objective-To make students understand the value of struggle, Kindness and honesty.

Outcome- students understood the value of struggle, Kindness and honesty.

Unit IV: Objective-To create the ability of writing and comprehension.

Outcome-Students attempted to write and comprehend the passage.

Department of Marathi Course Objectives and Outcomes

Course Objectives

- उदिष्टे:-
- 1. मराठी भाषेविषयी विदयार्थ्यांमध्ये अभिरुची निर्माण करणे.
- 2. साहित्यलेखनाची व वाचनाची आवड निर्माण करणे.
- 3. विदयार्थ्यांमध्ये असलेंल्या सुप्त कलांगुणांना वाव देऊन त्यांच्यात साहित्यविषयक वृध्दिंगत करणे.
- 4. साहित्यातून मानवतावादी दृष्टिकोण रुजविणे.
- 5. साहित्यातून समाजातील प्रश्नांना वाचा फोडून त्यांचे निराकरण करणे.
- ध्येय:- 1. भावी काळात विदयार्थ्यांमधून साहित्यनिर्मिती करणे.
 - 2. अध्यापन व अध्ययनात विदयार्थ्यांना सहभागी करुन संवादशील वातावरण निर्मिती करणे.
 - 3. विभागात विविध उपक्रमांचे आयोजन करुन मराठी भाषेचा दर्जा वाढविणे.
 - 4. विदयार्थ्यांमध्ये संशोधनवृत्ती वृध्दिंगत करणे.
 - 5. मराठी भाषेची प्रयोगशाळा निर्माण करणे.

Course Outcomes

साहित्य सेतू

CO1 विदयार्थ्यानमध्ये साहित्य विषयक आवड निर्माण करणे

CO2 वाचन संस्क्तीचा पुरस्कार करणे

CO3 भारतीय संविधानाचे महत्व समजावून सांगणे

CO4मानवी मृल्यांची जपणुक करणे

CO5 कविता लंखनाचे तंत्र अवगत करणे

CO6 पर्यावरण विषयक जागृती निर्माण करणे

CO7 व्यावहारीक मराठीचे महत्व समजावून सांगणे

Department of Chemistry Programme Educational Objectives (PEOS)

PEO1: Graduates will pursue higher studies in related fields including management

PEO2: Graduates will perform as employee in private/government institutions rising up to top positions

PEO3: Graduates will become entrepreneurs.

PEO4: Graduates will prepare for various competitive examinations.

Programme Specific Outcomes (PSOS)

PSO-1: Gain the knowledge of Chemistry through theory and practical.

PSO-2: To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.

PSO-3: Identify chemical formulae and solve numerical problems.

PSO-4: Use modern chemical tools, Models, Chem-draw, Charts and Equipment's.

PSO-5: Know structure-activity relationship

PSO-6: Understand good laboratory practices and safety.

PSO-7: Make aware and handle the sophisticated instruments/equipment.

PSO-8: Develop research-oriented skills.

PSO-9: Study and understand the different techniques used in purification of compounds

Programme Outcomes (POs)

- The students are expected to understand the fundamentals, principles, and recent developments in the subject area.
- It is expected to inspire and boost interest of the students towards chemistry as the main subject.
- To impart practical skills and learn basics behind experiments
- To prepare background for advanced and applied studies in chemistry.
- To inculcate the scientific temperament in the students and outside the scientific community.
- To inculcate the scientific temperament in the students and outside the scientific community.
- Use modern techniques, decent equipment and Chemistry software

Course Outcomes (COs)

Course Name: B. Sc. Year/Semester: First/First

Subject: Chemistry

Paper	CO	Outcomes
FY Paper-I	101.1	To understand the basic structure of atom.
Inorganic		
Chemistry		Understand shape of orbitals. Understand population properties such as
(101)	- 7	 Understand periodic properties such as atomic and ionic radii, ionization
(101)	V	energy, electron affinity etc.
		energy, electron arminty etc.
	101.2	 To understand the concept of covalent
4		bond.
1/	17	 To understand the bond parameters and
-1/	1811	various types of types of hybridization.
7//		 To understand the ionic structures with
	1	respect to NaCl and CsCl.
. //	101.3	Understand s block element and their
- // /	101.3	properties such as electronic
7// /:		configuration, atomic and ionic radii,
11 2	73	I.P. etc.
		 Understand chemical properties of the
		noble gases, preparation, structures,
		bonding and applications.
1 1		bonding and applications.
	101.4	 To understand the P block element.
KII 7	TIJUIT	Comparative study of groups 15,16, 17
, , , ,	14(11)	with respective their properties.
\ \		 Understand the Hydrides, Oxides,
XII	.0	Peroxyacids, Hydrides.
FY	102.1	Understand the common
Paper-II	- W	thermodynamics terms. Types of
Physical	11	systems and varies thermodynamics
Chemistry		processes.
(102)	1	State and path functions and their
	X	differentiation.
	X	 Understand the first law of
		thermodynamics.
	102.2	• Understand ass squation and laws
	104.4	Understand gas equation and laws. Understand qualitative diagraph of
		Understand qualitative discussion of the Maxwell-Boltzmann distribution.
		 Understand ideal gas and real gases behaviors.
		Deliaviois.
	102.3	Understand the Intermolecular forces,
		structure of liquid, structural difference
		between solid, liquid and gases.
		 Properties of liquid like surface

		tension, viscosity, refractive index.
	102.4	 Understand the concept of different types of surface phenomenon and catalytic property, like Adsorption mechanism of adsorption, factor affecting adsorption. Difference between adsorption and absorption, etc. Understand types of catalysis and enzymes.
F.Y. Chemistry	103	 Verify theoretical principles experimentally
Practical	V X	Interpret the experimental data
Course	*	 Improve analytical skills
¥,		Correlate the theory and experiments and understand their importance

Department of Physics

Programme Educational objectives (PEOS)

- **PEO1:** Graduates will pursue higher studies in related fields including management
- PEO2: Graduates will perform as employee in private/government institutions rising up to top positions
- **PEO3:** Graduates will become entrepreneurs.
- **PEO4:** Graduates will prepare for various competitive examinations.

Programme Specific Objectives (PSOS)

- PSO-1: Gain the knowledge of Physics through theory and experiments.
- **PSO-2:** Understand good laboratory practices and safety.
- **PSO-3:** Develop research-oriented skills.
- **PSO-4:** Make aware and handle the sophisticated instruments/equipments.

Programme Outcomes (POs)

- Bachelor of Science offers theoretical as well as practical knowledge about different subject areas.
- This course forms the basis of science for coherent understanding of the academic field to pursue multi and interdisciplinary science careers in future.
 These subject areas include Physics, Chemistry, Mathematics and Botany and Zoology.

- Able to plan and execute experiments or investigations, analyze and interpret data information collected using appropriate methods
- It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace through research.
- Think critically; follow innovations and developments in science and technology.

Course Outcomes (COs)

Course Name: B. Sc. Year/Semester: First/First

Subject: Physics

After the successful completion of the course students will be able to-		
Paper	CO	Outcomes
Paper 1: Properties of Matter and Mechanics	101.1	• Understand the mechanical behavior of the material and the fundamental terminology like Stress, Strain, Poisson's ratio, Hooks law, bending moment and modulus of elasticity
(101)	101.2	 Understand the concept of viscosity. Apply Poiseuille's Equation, Bernoulli's Theorem, Stoke's law and the concept of terminal velocity.
X G	101.3	 Understand the concept of surface tension and surface energy, Newton's laws of motion and to resolve the components of velocity and acceleration in different coordinate system.
	101.4	• Understand the System of particles and conservation laws.
Paper 2: Electrostatics, Time varying	102.1	• Understand the concept of Electrostatic force, Electric field, Electric potential, Electric dipole, Electric dipole moment.
fields & Electric Currents (102)	102.2	 Understand the concept of polarization and capacitors with and without dielectric. Apply Gauss law to parallel plate capacitor.
*	102.3	 To understand the concept of electromagnetic induction and transformer. Apply equation of continuity and Kirchhoff's law to rise
	102.4	 and decay of current in LR, CR and LCR circuits. To apply complex number in solving an a.c. circuit.
		 Apply j- operator in LR, CR and LCR circuit. Understand the concept of Resonance Calculate I, Z, Φ and fr.
Physics Practical (103)	103	 Apply and demonstrate the theoretical concepts of Physics and to develop scientific attitude. Interpret the experimental data

Department of Mathematics

Programme Educational Objectives (PEOs): B.Sc. (Mathematics)

1.	Graduates will pursue higher studies in related fields including management		
2.	To prepare necessary knowledge base for research and development in	L	
	Mathematics		
3.	To help student's build-up a successful career in Mathematics		

Programme Specific Outcomes (PSO): B.Sc. (Mathematics)

1.	Enhance students' ability to develop mathematical models
2.	Develop research-oriented skills.
3.	Nurture problem solving skills, thinking, and creativity through assignments,
	project Work.
4.	Prepare for various competitive exams

Programme Outcomes (POs): B.Sc. (Mathematics)

1.	Understand and solving of major concepts in all disciplines of mathematics.		
2.	Solve the problem and also think methodically, independently and draw a logical		
A	conclusion.		
3.	To inculcate the scientific temperament in the students and outside the scientific		
	community.		
4.	Create an awareness of the impact of mathematics on society and development		
h.	outside the scientific community.		
5.	Gain experience investigating the real-world problems and learn to how to apply		
Mathematical ideas and models to those problems.			
6.	Understand and able to use mathematical formulae in another subject.		

COURSE OUTCOMES (COs)

Course Name: B. Sc. Year/Semester: First/First Subject: Mathematics

After successful completion of three-year degree programme in **Mathematics** students

should be able to;

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Paper	CO	Outcomes
FY	101.1	Understand the basic concept related to Matrices and
Paper-I		solve the problem based on a system of Linear
Algebra and		equations
Trigonometry	101.2	Understand the general properties of equations and
101		Solutions of Different equations
	101.3	Understand the basics of complex numbers and solve
		the problems
	101.4	understand Group theory and general properties
FY	102.1	Using Definition, verify the values of limit and
Paper-II		continuity and solve the problem on Differentiation
102	102.2	Understand the concept of Maclaurins and Taylor's
Calculus		theorem

	Indentify Indeterminate forms and application of L'Hospitals Rule
102.3	Understand the concept of partial differential equation, Eulers Theorem and Jacobians
102.4	Identify the various types and methods to solve Integration and application of Reduction Formulae

Department of Zoology

	PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):		
1.	Graduates will pursue higher studies in related fields including		
	management		
2.	Graduates will perform as employers in private/government institutions		
3	rising up to top positions		
3.	Graduates will become entrepreneurs.		
X	A STATE OF THE STA		

	PRO	OGRAMME OUTCOMES (PO)			
	1./	The students are expected to understand the fundamentals, principles, and recent developments in the subject area.			
	2.	It is expected to inspire and boost interest of the students towards zoology as the main subject.			
	3.	To impart practical skills and learn basics behind experiments.			
	4.	To prepare background for advanced and applied studies in zoology.			
	5.	To inculcate the scientific temperament in the students and outside the scientific community.			
	6.	To inculcate the scientific temperament in the students and outside the			
		scientific community.			
7	7.	Use modern techniques, decent equipments and Zoology softwares.			

S	PROGRAMME SPECIFIC OUTCOME		
1.	Gain the knowledge of Zoology through theory and practicals.		
2.	Use modern biological tools, Models, Charts and Equipment's.		
3.	Know structure-activity relationship.		
4.	Understand good laboratory practices and safety.		
5.	Make aware and handle the sophisticated instruments/equipment.		
6.	Develop research-oriented skills.		
7.	Study and understand the different technique used in purification of		
	compounds		

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COURSE OUTCOMES (COs)

Course Name: B. Sc. Year/Semester: First/First

Subject: Zoology

Paper	CO	Outcomes
FY	101.1	To understand general characters and classification up to
Paper-I	10111	classes of protozoa, structure and reproduction of
Life and		Paramoecium, structure and life cycle of Plasmodium,
Diversity of		parasitic Protozoans of Man (Entamoeba, Trypanosoma,
Animals –		Giardia and Leishmania). Mode of infection and its control.
Non-	101.2	To understand the general characters and classification up to
chordates		classes of porifera, Structure, reproduction and development,
(Protozoa to		Canal system in sponges, General characters and
Annelida)		classification up to classes of Coelenterata, structure and life
(101)		cycle of Obelia, Polymorphism in hydrozoa.
	101.3	To Understand the Helminthes: General characters and
4/	- A	classification up to classes, <i>Ascaris</i> : External morphology,
7//		reproductive system and life cycle, <i>Taenia solium</i> : Structure
'///	12	and life cycle, Elementary idea of parasitic adaptations in
. / /	0	helminthes
\ //	101.4	To Understand the Annelida : General characters and
		classification up to classes, Leech : Morphology, digestive
		and urinogenital system, Trochophore larva and its
16	5	significance, Vermiculture and its importance
FY	102.1	To understand the Atmosphere: Major zones and its
Paper-II	10211	importance, composition of air, Hydrosphere: Global
Environmental		distribution of water, Physico-chemical characteristics of
Biology		water, Lithosphere: Types of rocks, formation of soil,
(102)		Renewable and non- renewable energy sources
(4)	102.2	Understand the Ecosystem - Definition and types, Detailed
		study of pond ecosystem, Food chain, food web and
~		ecological pyramids, Energy flow in an ecosystem, Single
4		channel, Y – shape and Universal model
,	102.3	To understand the Biodiversity and its conservation, Causes
		of reduction of biodiversity, Wildlife conservation acts (1972
		and 1984), Introductory study of national parks and
		sanctuaries – Tadoba, Kanha, Bharatpur and Nagzira, Hot
	1	spots of biodiversity in India
	102.4	To understand the Sources, effect and control measures of air
		pollution, Acid rain, green house effect, ozone depletion and
		global warming, Sources, effect and control measures of
		water pollution, Sources effect and control measures of noise
		pollution, Toxic effect of heavy metals (lead, cadmium and
		mercury) – Bioaccumulation and biomagnification
F.Y.	103	Verify theoretical principles experimentally
Zoology		Interpret the experimental data
Practical		 Improve analytical skills
Course		•
		• Correlate the theory and experiments and understand
		their importance

Department of Botany

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)				
1.	Graduates will pursue higher studies in related fields including			
	management			
2.	Graduates will perform as employee in private/government institutions			
	rising up to top positions			
3.	Graduates will become entrepreneurs.			
4.	Graduates will prepare for various competitive examinations.			

- **PO1**.UnderstandingofPlant Diversityand itsimportancein themaintenanceofecological balance.
- **PO2**. Students learn to carry out practical work, in the field and in the laboratory, interpreting plantmorphologyandanatomy, Plant identification, Vegetation analysis techniques.
- **PO3**. Applytheknowledgeofbasic science, life sciences and fundamental process of plants.
- **PO4**. Apply modern techniques and instruments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological studies of plants with anunderstanding of the applications in human life.
- **PO5**. Apply the knowledge gained from the studies for the upliftment of society via addressinghealth, environmental issues, food scarcityetc.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- **PSO1**. Critical evaluation of ideas and arguments by collecting relevant information about the plants, so as to recognize their position in the classification systems and at phylogenetic level.
- **PSO2**.Students will be able to access the primary literature, identify relevant works for aparticular topic, and evaluate the scientific content of these works
- **PSO3**. Students will be able to compare and contrast the characteristics of the different groups of plants such as algae, fungi, bryophytes, pteridophytes, gymnosperms and angiosperms.
- **PSO4**. Students will be able to use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth.
- **PSO5**.Students will be able to explain how Plants functionat gene, genome, cellular and tissue level.
- **PSO6**. Students will be will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.
- **PSO7.** Students will be able to conceive the idea of artificial propagation of plants via vegetative methods and to find a livelihood via establishing miniature plant nurseries

Course Name: B. Sc. Year/Semester: First/First

Subject: Botany

Paper	СО	Outcomes
FY	101.1	To understand the nature of viruses,
Paper-I	10101	Ultra-structure and economic
Viruses,		importance.
Prokaryotes, Alg		Understand the properties of
ae		Mycoplasma and its reproduction.
And		1
Biofertilizers		Understand general characteristics and
(101)	204.0	reproduction in bacteria.
	101.2	To understand general characteristics and
7		classification of algae
		To understand the to understand general
	1	structure of Cyanobacteria and its
. //		reproduction.
*//	101.3	• Understand life cycle of Chara,
7//	A	Vaucheria ,Ectocarpus, and
		Batrachospermum.
1//	16	State of the state
X / / S	101.4	To understand Scope and importance of
1 1 10		Biofertilizers.
	(Understand the microbes used in
		biofertilizers.
FY	102.1	Understand the Characteristics of fungi.
Paper-II		 Understand the reproduction and life
Fungi, Plant		cycle of Albugo, Mucor ,Puccinia and
Pathology, Liche		Cercospora.
ns, Bryophyta and Mushroom	102.2	 Pathogen study, control and causes of
Cultivation (102)		diseases : leaf curl of papaya, Citrus
Cultivation (102)	•	canker and red rot of sugarcane
7	102.3	 Understand classification and general
	. 07	characteristics of Bryophyta.
1		• Life history of <i>Marchantia</i> , <i>Anthoceros</i>
		and Funaria
-	1	
		To Study the nutritional and medicinal
	-	values of edible and non-edible
	,	mushrooms. Technology of mushroom
		cultivation
F.Y.	103	Study the fungal genera.
Chemistry		Study the lichens, thallus structure and
Practical Course		types of lichens.
		Plant pathological study.
		Study of bryophytes and identification of
		its characteristics.
		 Preparation of mushroom beds.
L	<u> </u>	Т

Semester II Department of English Course Objectives and Outcomes Compulsory English

Unit I: Objective-Making students conscious about the functioning of Democracy.

Outcome-Students tried to understand the importance of democracy.

Unit II: Objective- Making students understand slavery and its effects.

Outcome-Students tried to understand the effects of slavery and its punishing practice.

Unit III: Objective-To make students understandcorrect usage of Tense, Transformation of sentences and Common errors.

Outcome-Students tried to solve the examples of Tense, Transformation of sentences and Common errors..

Unit IV: Objective-To create the ability to write Curriculum Vitae.

Outcome-Students attempted to write the Curriculum Vitae.

Department of Marathi

Course Objectives and Outcomes

Programme Objectives

उदिष्टे:- 1. मराठी भाषेविषयी विदयार्थ्यांमध्ये अभिरुची निर्माण करणे.

- 2. साहित्यलेखनाची व वाचनाची आवड निर्माण करणे.
- 3. विदयार्थ्यांमध्ये असलेंल्या सुप्त कलांगुणांना वाव देऊन त्यांच्यात साहित्यविषयक वृध्दिंगत करणे.
- 4. साहित्यातून मानवतावादी दृष्टिकोण रुजविणे.
- 5. साहित्यातून समाजातील प्रश्नांना वाचा फोडून त्यांचे निराकरण करणे

Course Outcomes

साहित्य सेतू

- ध्येय:- 1. भावी काळात विदयार्थ्यांमधून साहित्यनिर्मिती करणे.
 - 2. अध्यापन व अध्ययनात विदयार्थ्यांना सहभागी करुन संवादशील वातावरण निर्मिती करणे.
 - 3. विभागात विविध उपक्रमांचे आयोजन करुन मराठी भाषेचा दर्जा वाढविणे.
 - 4. विदयार्थ्यांमध्ये संशोधनवृत्ती वृध्दिंगत करणे.
 - 5 मराठी भाषेची प्रयोगशाळा निर्माण करणे

Department of Chemistry Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: First/ Second

Subject: Chemistry

Paper	CO	Outcomes
FY	201.1	To make students understand different organic
Paper -I		compounds and the concept structure and bonding in
Organic		organic compounds.
Chemistry		Understand the mechanism of organic reaction.
(201)	201.0	
	201.2	Understand the concept of stereochemistry of organic compounds.
		To make the structure of Geometrical isomerism and conformational isomerism.
*//	201.3	Many of the daily used materials are organic
	12	compounds and majority of them are hydrocarbons
*//	2/2	therefore this topic makes the concept regarding their information
///	201.4	Basic of the alkane and alkynes with respect to their
. 11/3	Ţ	chemical point of view.
KIIG		To understand the aromaticity of organic
		compounds.
F.Y. Pape-II	202.1	To understand the thermodynamics of chemical mostions
Physical	तमस	reactions.Understand free energy functions like work function,
Chemistry (202)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gibb's free energy etc.
* / *	202.2	To understand the concept of phase equilibria.
1		Statement of phase rule and term. Application of
4		phase rule
	202.3	Understand the concept of nuclear chemistry and
	1	molecular structure
	202.4	To Understand the concept of chemical kinetics and theories of chemical kinetics.
F.Y.	203	Verify theoretical principles experimentally
Chemistry		Interpret the experimental data
Practical		Improve analytical skills
course		Correlate the theory and experiments and
		understand their importance
		-

Department of Physics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: First/Second

Subject: Physics

After the successful completion of the course students will be able to-

Paper	CO	Outcomes
Paper 1:	201.1	• To understand the concept of linear and angular
Oscillations,		S.H.M., Damped harmonic oscillator
Kinetic theory of	201.2	• To understand the concept of Forced oscillation with
gases and		one degree of freedom and kinetic theory of gasses.
Thermodynamics	201.3	• To understand the Transport phenomenon in gases,
(201)		Zeroth and First law of thermodynamics and
	1	Cornot's Theorem
	201.4	 To understand second and third law of
4/		thermodynamics and Maxwell's general relationship
1/		and its applications
Paper 2:	202.1	• To understand Newton's laws of gravitation and the
Gravitation,		concept of Gravitational self-energy of the galaxy
Astrophysics,	202.2	• Know the constituents of universe (Solar system,
Magnetism and		Stars, Galaxies) and some physical aspects of
Magnetostatics	0	universe
(202)	202.3	• To understand the concepts of Dimagnetism,
		Paramagnetism and Ferromagnetism and their
11/3		applications
414	202.4	• To understand the Concept of magnetic field and to
		study various laws of magneto static and their
Di i D ii i	202	applications.
Physics Practical	203	Apply and demonstrate the theoretical concepts of
(203)	Lu	Physics and to develop scientific attitude.
A // //		1 41 441/11/144 / / /

Department of Mathematics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: First/ Second

Subject: Mathematics

After successful completion of three-year degree programme in **Mathematics** students should be able to;

	1	
Paper	CO	Outcomes
FY	201.1	Understand the concept of Solid Geometry
Paper-I	202.2	Identify and solve the problems on Differential equations
201		of first order
Geometry,	203.3	Understand the Higher order linear differential equations
Differential and		with constant coefficient
Difference	204.4	Understand the basic concept of Difference equation
Equations		
FY	202.1	Students learn the concept of Vector differentiation and
Paper-II		Line Integral
202	202.2	Learn the evaluation of area by double Integral
	202.3	Apply integration to evaluate over surface and volume

202.4	Evaluate Improper Integrals also study the gamma and
	Beta functions

Department of Zoology Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: First/Second

Subject: Zoology

		ion of the course students will be able to-
Paper	CO	Outcomes
FY _	201.1	To understand the, Arthropoda: General characters and
Paper -I		classification up to classes, Cockroach: Mouth parts,
Life and Diversity	4	digestive system and reproductive system, Insects as
of Animals –		Vectors: Mosquito, Housefly, Sandfly, Tse-Tse fly,
Nonchordates		Study of crustacean larvae: Nauplius, Zoea and
(Arthropoda to		Megalopa; Social behavior in honey bees
Hemichordata)	201.2	To understand the Mollusca: General characters and
(201)		classification up to classes, <i>Pila</i> : Morphology,
X//	, 81	digestive, respiratory and reproductive system, Pearl
' / /		formation in Mollusca, Molluscan larvae : Glochidium
. ///		and Veliger
1 / / C	201.3	To understand the Echinodermata: General characters
All S		and classification up to classes, <i>Asterias</i> : External
		features and digestive system, Water vascular system
		and locomotion in Starfish, Echinoderm larvae:
		Bipinnaria and Auricularia
	201.4	To understand Hemichordata: General characters and
		phylogeny, Balanoglossus: External features and
\ \		digestive system, Reproduction in Balanoglossus,
\times	1111	Tornaria larva, Affinities of Balanoglossus
F.Y.	202.1	To understand the Ultrastructure of prokaryotic and
Paper-II		eukaryotic cell, Plasma membrane: Structure- Fluid
Cell Biology		Mosaic Model and functions, Endoplasmic reticulum:
(202)		Types, ultrastructure and functions, Golgi complex:
1 / /		Ultrastructure and functions
	202.2	To understand Ultrastructure of mitochondria,
7		Oxidative phosphorylation – Glycolysis and Kreb's
		cycle, Electron Transport Chain and terminal oxidation,
	1	Lysosome: Structure, polymorphism and functions
	202.3	To understand the Nucleus: Ultrastructure of nuclear
		membrane, Structure and functions of nucleolus,
		Chromosome: Structure and types, structure of
		nucleosome, Giant chromosomes: Lamp-brush and
		polytene chromosome
	202.4	To understand the Ribosome: Structure, types, Lake's
		model and functions, Somatic cell division: Cell cycle
		and Mitosis, Meiosis (different phases and
		significance), synaptonemal complex, Cellular ageing
		and cell death, Elementary idea of cancer and its
		causative agents
F.Y.	203	Verify theoretical principles experimentally
Zoology		Interpret the experimental data
		morprot the experimental auta

Practical course	Improve analytical skills
	 Correlate the theory and experiments and
	understand their importance

Department of Botany Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: First/Second

Subject: Botany

After the successful complete	ion of the	e course students will be able to-
Paper	CO	Outcomes
FY	201.1	 To make students understand fossils,
Paper -I		Pseudofossils, and its importance.
Paleobotany, Pteridophytes,	-6-	 Knowledge about types of fossils.
Gymnosperms and Soil	2110	Details of Geological time scale.
Analysis (201)	lelis.	• Differentiation among the types of fossil.
	-337	Study the general characteristics of
1// 26	201.2	Pteridophytes and its classification.
XII		Life history of Selaginaella. And
1 1 10	1/2	Equisetum.
	201.3	Classify the Gymnosperms, its
KIG		characteristics and economic
	10	importance.
1 1	100	 Understand the fossil gymnosperm.
VII -		• Study the life cycle of <i>Cycas</i> and <i>Pinus</i>
* \\ तमस	201.4	Skill development and soil analysis.
, // ,,,,,,,,		 Identification of types of soil on the
		basis of its color and texure.
X-\\	0	• Study the physical properties of soil.
	13	 Understand the pH of soil and nitrogen
	97.	availability in it.
F.Y.	202.1	Study the morphological characteristics
Pape-II		of plants.
Morphology of		 Identification of morphological
Angiosperms and		characters of plants.
Floriculture		• Study the modification occure in root,
(202)	791	stem and leaf.
	202.2	Study the reproductive morphology.
		• Study the types of inflorescence.
		Study the calyx, corolla and
		Androecium.
	202.3	• Understand the structure of gynoecium.
		• Study the fruit and its types.
	202.4	Develop the skills of floriculture and
		cultivation

F.Y. Botany Practical course	203	 Study of different root and stem modification and branching patterns. Study the types of leaf and its phyllotaxy, venation and modification. Understand the flower structure and
		position of calyx, corolla, androecim and gynoecium.

Semester-III Department of Chemistry COURSE OUTCOMES (COs)

Course Name: B. Sc.

Year/Semester: Second/Third

Subject: Chemistry

		on of the course, students will be able to-
Paper	CO	Outcomes
S.Y Paper-I Inorganic	301.1	 Understand the concept of molecular orbital theory and VSEPR theory.
Chemistry (301)	301.2	Understand the properties of d and f block elements.
K F	301.3	 Understand the role of nonaqueous solvents. Understand concept of errors and evaluation in chemical analysis.
	301.4	Understand the concept of chemistry of Lanthanides and Actinides series.
S.Y. Paper-II Organic	302.1	Understand the structure and chemical bonding in aryl, alkyl halides, and aldehydes.
Chemistry (302)	302.2	Understand the structure and chemical bonding in alcohols and phenols.
*	302.3	Understand the nomenclature, structure of the carbonyl group, synthesis of aldehydes and ketones
	302.4	Understand chemical reaction of carboxylic acids and its derivatives.
S.Y. Chemistry Practical Course	303	 Verify theoretical principles experimentally Interpret the experimental data Improve analytical skills Correlate the theory and experiments and understand their importance

Department of Physics COURSE OUTCOMES (COs)

Course Name: B. Sc.

Year/Semester: Second/Third

Subject: Physics

After the successful completion of the course students will be able to-

Paper	CO	Outcomes
Paper 1: Sound Waves, Applied Acoustic,	301.1	• Understand the concept of group and phase velocities, formation of standing waves and diagrammatic introduction of human ear and its responses.
Ultrasonic and Power Supply (301)	301.2	• Understand the working of transducers and their characteristics and the concept of acoustic and its applications.
	301.3	 Understand the production and applications of ultrasonic waves.
4/	301.4	 Understand the concept of voltage regulation and working of the half, full and bridge rectifier.
Paper 2: Physical Optics and Electromagnetic Waves	302.1	 Understand the concept of interference of light through thin film Apply the concept of interference of light through thin film in wavelength determination.
(302) • Understand the concept of diffrac		• Understand the concept of diffraction, Resolving Power of grating and Rayleigh's criterion for
(2)	302.3	• Understand the concept of polarization and double refraction
	302.4	 Understand the origin and characteristics of EM waves, Physical significance of Maxwell's equations, Characteristics impedance of dielectric and Poynting theorem.
Physics Practical (303)	303	 Apply and demonstrate the theoretical concepts of Physics and to develop scientific attitude.

Department of Mathematics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Third

Subject: Mathematics

After successful completion of three-year degree programme in Mathematics students should be able to;

Paper	CO	Outcomes
SY	301.1	Students understand Mean Value theorem
Paper-I	301.2	Learn about an envelope of a family of curves in the
301		plane and study the Langranges Multiplier method
Advanced	301.3	Understand the concept of sequence
Calculus, Sequences &Series	301.4	Use Tests for convergence
SY	302.1	Understand the concept of Special Functions(Bessels and
Paper-II		Legendre's function)
302	302.2	Students understand the concept of Laplace Transform

Differential		and solve the problems
Equation and	302.3	Applications of Laplace Transform & Fourier Transform
Group	302.4	Students develop knowledge in group theory
Homomorphism		

Department of Zoology Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Third

Subject: Zoology

After the success	ful comp	eletion of the course students will be able to-
Paper	CO	Outcomes
S.Y	301.1	Understand the Protochordata: General characters and classification
Paper-I	V	up to order, <i>Herdmania</i> : Structure, digestive system, ascidian
Life and		tadpole and retrogressive metamorphosis, <i>Amphioxus</i> : Structure,
Diversity of		digestive system, circulatory system, sense organs and
Animals -		protonephridia, Agnatha: General characters of Cyclostomata
Chordates	1	(Petromyzon and Myxine)
(Protochordata	301.2	Understand the Pisces: Salient features of Chondrichthyes and
to Amphibia)	.0	Osteichthyes, Origin of paired fins in fishes, Migration and
(301)		Accessory respiratory organs in fishes, Amphibia : General
1 / / A	70	characters and classification up to order, Parental care and Neotony
A / / /-		in Amphibia
	301.3	Understand the Gametogenesis and type of eggs, Fertilization of
I J		egg, Post fertilization development of fish, Types of scales of fishes,
		Development of placoid scales
	301.4	Understand the Frog Embryology - Cleavage, blastulation and
1 1		gastrulation, Fate map, Morphogenetic movements in gastrula of
		frog, Development of respiratory organs in frog, Development of
$\mathbf{X} \setminus \mathbf{I} = \mathbf{I}$		Aortic arches of frog
S.Y.	302.1	Understand the Mendelian Principles- Dominant recessive
Paper-II		relationships, Mendelian laws, Interaction of genes- Epistasis -
Organic		dominant and recessive, codominance, incomplete dominance,
Zoology		Quantitative genetics – Polygenic traits, inbreeding and
(302)		outbreeding, hybrid vigor, Extracellular genome – Presence and
		functions of mitochondrial DNA, plasmids
	302.2	Understand the concept of Cytoplasmic inheritance- <i>Kappa</i> particles
		in Paramecium, CO2 sensitivity in Drosophila, milk factor in mice,
	4	Linkage and crossing over – Basic concepts of linkage, types and
		theories, Concepts of genes – Cistron, muton and recon, Genetic
		disorders in human beings – Haemoglobin disorders – Thalassemia
	202.2	and Sickle cell anemia. Metabolic disorder: Phenylketonurea
	302.3	Understand the concept of Sex determination – ZZ, XY, XO, ZW
		pattern, Sex determination in <i>Drosiphila</i> – Genic balance theory,
		Environmental sex determination in <i>Bonellia</i> , Chromosomal
		aberrations: addition, deletion, duplication and inversion, Gene
		mutations- Spontaneous and induced mutations, mutagenic agents,
		Disorders related to chromosomal number- Turner syndrome,
	202.4	Klinefelter syndrome and Down syndrome
	302.4	Understand the Lethal genes – Concepts and consequences,
		Population genetics: Basic concepts in population genetics, Hardy
		Weinberg equilibrium and its significance, Genetic counseling –

		Introduction, purpose, hereditary diseases and disorders, Applied genetics - DNA fingerprinting, amniocentesis, sperm banks, karyotyping
S.Y. Zoology Practical Course	303	 Verify theoretical principles experimentally Interpret the experimental data Improve analytical skills Correlate the theory and experiments and understand their importance

Department of Botany Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Third

Subject: Botany

After the success		letion of the course students will be able to-
Paper	CO	Outcomes
S.Y	301.1	• Understand the study of angiosperms, Fossil
Paper-I	A .	angiosperms, Angiosperms taxonomy.
		 Understand the nomenclature.
/ / /	06	 Study the trends in taxonomy.
Botany		materials statement statement of the sta
(301)	301.2	• Understand the classification system of Benthem
		and Hooker, Engler and Prantle.
(60	301.3	 Study the types of pollinaton and its significance
X -		• Study the structure of anther, pollen grain and male
		gametophyte development.
. \ \		• Study the types of ovules and female gametophyte.
X\\ -		Understand the fertilization process.
$T \setminus \{$	301.4	Study the skills of landscaping and gardening.
S.Y.	302.1	 Understand anatomical features of plants and its
Paper-II		organs.
Angiosperm		Study the tissue its types and functions.
anatomy and	302.2	Study the primary and secondary growth I stem and
Horticulture		root.
(302)	302.3	 Study the periderm growth rings, sap heartwood,
		leaf anatomy.
		Study the Senescence and Abscission.
	302.4	 Study the techniques of horticulture, methods of
		propagation.
		Learn the technique of bonsai preparation.
S.Y.	303	 Study the simplest and complex tissue from
Botany		permanent micro-preparation.
Practical		Identification of types of vascular bundle.
Course		Anatomy of Dicot and Monocot stem with
		temporary or double stained.
		Study the internal structure of dicot and monocot
		leaf.

SEMESTER IV

Department of Chemistry Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Fourth

Subject: Chemistry

		Outcomes
Paper	CO	Outcomes
S.Y. Paper-I Inorganic	401.1	Understand the properties of coordination compounds. Chelates: classification and their application and valance bond theory of complexes.
Chemistry (401)	401.2	Understand the concept of isomerism in coordination compounds. Concept of oxidation and reduction and balancing of redox reaction.
*//	401.3	 Understand the concept of colorimetry and spectrophotometry. Understand the concept of separation technique like chromatography ion exchange and solvent extraction.
*// 6	401.4	Understand the concept of inorganic polymers.
S.Y. Paper-II Physical Chemistry (402)	402.1	 Understand solid state and their classification and their laws. To understand the concept of determination of crystal structure.
	402.2	 Understand electrochemistry of reversible and irreversible cells. Understand the concept of electrical transport and transport number.
*//	402.3	 Use spectroscopy for chemical analysis. Understand types of spectroscopy.
*	402.4	 Understand the concept of quantum chemistry and wave function.
S.Y. Chemistry practical Course	403	 Verify theoretical principles experimentally Interpret the experimental data Improve analytical skills Correlate the theory and experiments and understand their importance

Department of Physics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Fourth

Subject: Physics

After the successful completion of the course students will be able to-

Paper	CO	Outcomes
Paper 1:	401.1	• Understand the basic concept of crystallography, find
Solid State		various lattice parameters, find Miller Indices of the
Physics, X-ray		given plane and draw planes from the set of Miller
and Laser		Indices.
(401)	401.2	• Understand main feature of continuous X-ray spectra
		and Characteristics X-ray spectra,
		• Apply Moseley's law to determine wavelength of X-
		ray.
	401.3	 Understand the basic concept of solid state physics.
		 Apply Bragg's law for wavelength determination and
1 / /		simple cubic structure determination.
7-//	3	Calculate Miller indices of the given plane and identify
~//	1	the orientation of the plane from the given set of
		Millar indices.
1//	401.4	 Understand the concepts of LASER emission.
X//		• Understand the construction and working of various
1/ /0		types of LASER.
Paper 2:	402.1	 Understand the construction and working and
Solid State	22	characteristics of various solid state devices.
Electronics, and	402.2	• Understand the construction and working and
Molecular		characteristics of various FETs.
Physics	402.3	Understand the concept molecular physics.
(402)	402.4	Understand and apply the Raman spectroscopy.
Physics	403	Apply and demonstrate the theoretical concepts of
Practical		Physics and to develop scientific attitude.
(403)		

Department of Mathematics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Fourth

Subject: Mathematics

After successful completion of three-year degree programme in Mathematics students should be able to;

Paper	CO	Outcomes
SY	401.1	Understand the concept of ordinary Differential Equations
Paper-I		in more than two variables
401	401.2	Use the methods to solve the linear and nonlinear partial
Partial		differential equations of first order
Differential	401.3	Understand the concept of Higher Partial Differential
Equations &		Equations
Calculus of	401.4	Find the distance between the curves and understand the
Variation		concept of Eulers differential equation

SY	402.1	Students learn about Coplanar Forces, Virtual Work and
Paper-II		Catenary
402	402.2	Understand the velocity, Acceleration and simple
Mechanics		harmonic Motion
	402.3	Understand the concept of Lagranges Equations of motion
	402.4	Learn the problem of two bodies moving under the
		influence of a mutual central force

Department of Zoology Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Fourth

Subject: Zoology

After the successful completion of the c

After the successful	l comple	tion of the course students will be able to-
Paper	CO	Outcomes
7/		नित्रार ।
S.Y.	401.1	Understand the Reptilia- Classification based on
Paper-I	<a>A	temporal vacuities, Poison apparatus, biting mechanism,
Life and Diversity	4	snake venom and its importance, Aves – Comparison of
of Animals –		Ratitae and Caranitae, Flight adaptations and migration,
Chordates	7	Mammals – General characters of Prototheria,
(Reptilia, Aves and		Metatheria and Eutheria
Mammals)	401.2	Understand the Modern theories of evolution:
(401)		Darwinism and Neo-Darwinism, Adaptations –
100		Cursorial, Aquatic, Terrestrial, Fossorial and Volant,
K 4		Introduction to genetic basis of evolution – Species
		Deme, Variation, Races in Man (Caucasoid, Negroid,
1 1 1		Mongoloid and Australoid)
	401.3	Understand the Comparative account of aortic arches and
4 \ 7		heart in Reptiles, Birds and Mammals, Structure of hen's
, , , , , , , , , ,	. 1 / 1	egg, Development of chick up to premitive streak stage,
		Development of extra embryonic membranes in chick
KII.	19	and functions
711	401.4	Understand the Frog Embryology - Cleavage,
		blastulation and gastrulation, Fate map, Morphogenetic
4		movements in gastrula of frog, Development of
		respiratory organs in frog, Development of Aortic arches
***		of frog
S.Y.	402.1	Understand the DNA: Structure of DNA, forms of DNA,
Paper-II		properties of DNA, DNA as a genetic material, RNA:
Molecular Biology		Structure of RNA, types of RNA, RNA as a genetic
and		material, Prokaryotic and eukaryotic gene structure,
Immunology(402)		Recombination in Bacteria: Bacterial transformation –
		Griffith's experiment, Conjugation in bacteria,
	105.5	transduction
	402.2	Understand the concept DNA replication:
		Semiconservative model, Meselson Stahl experiments.
		Process of replication – origin of replication, concept of
		replication, directionality of replication, Genetic code:
		Characteristics of genetic code, Wobble hypothesis,
		Protein synthesis: Transcription mechanism – Initiation,
		elongation and termination of transcription. Translation –

•		
		activation of amino acids, transfer of activated amino
		acids to tRNA, Initiation, elongation and termination of
		polypeptide chain; inhibitors of protein synthesis, Gene
		regulation models- Lac operon and tryptophan operon
	402.3	Understand the Concepts of immunity – Innate and
		acquired immunity, organs of the immune system,
		Antigen - Structure, diversity, functions and types of
		antigen, Antibody- Structure, types and functions,
		Antigen-antibody interaction – Precipitation and
		agglutination
	402.4	Understand the Types of immune response: B cell
		response (antibody mediated), T cell response (cell
		mediated), Complement system: Basic concepts of
		complement cascades, classical, alternative and MBL
		pathways, implications of complement system in
V .		immune defense, Cytokines- General account on
4/		cytokines, Cytokine related diseases, Autoimmunity and
'//		immunodeficiencies- Autoimmune diseases and their
- A / /		treatment, AIDS and other immunodeficiencies
S.Y.	403	 Verify theoretical principles experimentally
Zoology practical	5	Interpret the experimental data
Course		Improve analytical skills
1// 2	6	Correlate the theory and experiments and
7///		understand their importance
11 20		understand their importance

Department of Botany Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Second/Fourth

Subject: Botany

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CO	Outcomes
401.1	 Understand the brief account of cell theory.
	Comparison between eukaryotic and prokaryotic
	cell.
	 Structure and function of cell wall, Endoplasmic
	reticulum, Golgi complex, plasma membrane,
A.	Ribosome and Vacuole.
401.2	 Understand the structure and functions of
	chloroplast, Mitochondria and Nucleus.
	 Understand the chromosome morphology,
	Molecular organization of chromosomes.
	 Understand the sex chromosomes and cell
	division process.
401.3	 Understand plant breeding, methods of plant
	breeding.
	 Understand the biostatistics and determine the
	Mean, Mode, Median.
	 Understand the evolution process.
401.4	 Understand the seed development technology
	401.2

	1	1'1' 1, ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
		which is used to increase a commercial value of
		seeds.
S.Y.	402.1	 Understand the principle of Mendelism.
Paper-II		 Understand the linkage and crossing over process.
	402.2	 Understand the Mutation, chromosomal
(402)		aberrations and variation in chromosome number.
		 Understand the DNA damage and repair process.
	402.3	 Study the concept of DNA and RNA.
		 Understand the concept of gene, genetic code.
		 Understand the process of protein synthesis and
		regulation of gene interaction.
	402.4	Study the skill development.
		 Develop the skills related with plant nursery.
4		 Understand the nursery manaegment techniques
S.Y.	403	 Study the Mendel's law of segregation with help
Botany		of color beads.
practical Course		 Prove the Mendel's law of independent
1 //		assortment.
*//	·	Study the different method of vegetative
	6	propagation.
///		 Study the method of soil sterilization for plant
4// 6	6	nursery.

SEMESTER V Department of Chemistry Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Fifth

Subject: Chemistry

Paper	CO	Outcome
T.Y.	501.1	Understand the concept of organic compounds
Paper-I		of nitrogen and amines.
Organic Chemistry	501.2	Understand heterocyclic compounds and their
(501)		structure.
	501.3	Understand quantitative analysis: Estimation of carbon, hydrogen and nitrogen etc.
		 Understand reaction and structure of organometallic compounds.
	501.4	 To study Spectroscopy. To understand Electromagnetic and Infrared absorption spectroscopy
T.Y. Paper-II Physical Chemistry (502)	502.1	Understand electrochemistry and various types of cells.
		Understand types of reversible electrodes.
	502.2	Understand quantum chemistry and molecular orbital theory.

	502.3	 Understand the concept of Photochemistry. To study Raman Spectroscopy
	502.4	To understand colligative properties and macromolecules.
T.Y. Chemistry Practical Course	503	 Verify theoretical principles experimentally Interpret the experimental data Improve analytical skills Correlate the theory and experiments and understand their importance

Department of Physics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Fifth

Subject: Physics

		on of the course students will be able to-
Paper	CO	Outcomes
Paper 1: Atomic	501.1	• Understand Vector atom Model, the concept of
Physics, Free	6	space quantization, Zeeman Effect and L-S and J-J
Electron Theory		coupling.
and Statistical	501.2	Apply free electron theory and band theory of
Physics		solid to classify solids as conductor,
(501)		semiconductor and insulator.
K 4	501.3	• Understand and apply Maxwell-Boltzmann
		statistics
	501.4	 Understand and apply Bose-Einstein statistics and
WII		Fermi-Dirac statistics.
Paper 2: Quantum	502.1	• Understand the basics of quantum mechanics and
Mechanics,		apply it to explain the phenomena like black body
Nanomaterials and		radiation and Compton Effect.
Nanotechnology	502.2	• Understand and apply Schrodinger's equation to
(502)		free particle in a one and three dimension.
	502.3	 Understand the basics of nanotechnology.
*	502.4	Understand the synthesis and characterization
		techniques of nano materials.
Physics Practical	503	• Apply and demonstrate the theoretical concepts of
(503)		Physics and to develop scientific attitude.

Course Outcomes (COs)

Course Name: B. Sc. Year/Semester: Third/Fifth Subject: Mathematics

After successful completion of three year degree program in Mathematics a Student

should be able to;

Paper	CO	Outcomes
TY	501.1	Understand the concept of Fourier series
Paper-I	501.2	Understand the concept of Riemann-Stieltjes integral
501	501.3	Understand the concept of Analytics Functions
Analysis	501.4	Students learn about Mobius Transformation
TY	502.1	Students deal with the definition, properties and
Paper-II	K	examples of countable and uncountable sets and
502		understand the metric space
Metric spaces,	502.2	Understand the concept of Completeness, Compactness
Complex		and Connectedness
integration &	502.3	Understand the concept of Ring
Algebra	<a>A	Analyze and demonstrate examples of ideals and
7//	4	quotient rings
///	502.4	Understand the basic concept of Complex Integration
1//	7	Evaluate integrals along a path - directly from the
		definition and also via the Fundamental Theorem of
		Contour Integration and Cauchy's Theorem

Department of Zoology Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Fifth

Subject: Zoology

Paper	CO	Outcomes
T.Y.	501.1	Understand the Enzymes – Distribution and chemical nature of
Paper-I	201.1	enzymes, General properties of enzymes, Classification of enzymes,
General		Factors affecting enzyme activity
Mammalian A	501.2	Understand the Structure and functions of digestive glands -
Physiology –		(Salivary, Gastric, Intestinal, Liver and Pancreas), Gastrointestinal
I		hormones, Digestion and absorption of proteins, carbohydrates and
(501)		lipids, Vitamins- Fat soluble and water soluble vitamins; Sources,
		deficiency and diseases
	501.3	Understand the Respiratory pigments - Types, distribution and
		properties, Mechanism of Respiration, Transport of O2 and CO2,
		Respiratory disorders and effects of smoking
	501.4	Understand the Composition and functions of blood, Blood clotting
		– Intrinsic and extrinsic factors, blood groups and <i>Rh</i> factor, Cardiac
		cycle, E.C.G. and Blood pressure
T.Y.	502.1	Understand Site selection and construction ,Pre stocking and post
Paper-II		stocking manangement of nursery, rearing and stocking ponds,
Physical		Breeding of fishes by bund and Chinese hatcheries. Induced
Zoology		breeding by hypophysetion. New generation drugs in induced
(502)		breeding, Brief study of freshwater aquaculture system –
		Polyculture, cage culture, sewage fed fish culture, integrated fish

	farming, Fish products and byproducts, Fish preservation		
502.2			
302.2	setting up of aquarium and its maintenance, Breeding of aquarium		
	fishes – Live bearers and egg layers, Diseases caused by fungi,		
	bacteria, protozoa and helminthes		
502.3	1		
	Pyrethroids, carbomate and HCN – mode of action, merits and		
	demerits, Biological control – Biological agents – predators and		
	parasites; merits and demerits, Crop pest: Life cycle, damage and		
	control of Cotton spotted boll worm -Earias vitella ,Stored grain		
	pest- Rice Weevil, Sitophilus oryzae, Animal pest: Life cycle,		
	damage and control of – House fly – <i>Musca nebulo</i> , Stable fly –		
	Stomoxys calcitrans		
502.4	Understand the Sericulture- Types of Silkworm. Life cycle and		
	rearing of mulberry silkworm, <i>Bombyx mori</i> , Life cycle and rearing		
	of non mulberry silkworm (Tasar), Antheraea mylitta; Brief idea of		
	coccon processing for silk fabric - coccon boiling, reeling, rereeling,		
	winding, doubling, twisting and weaving, Apiculture – Types of		
1 / /	honey bees. Life cycle, culture, movable frame hive, bee product and		
*//	its economic importance, Lac culture – Lac insect, Laccifer lacca -		
	Life cycle, Lac processing, Lac products and Economic Importance		
T.Y. 503	Verify theoretical principles experimentally		
Zoology	Interpret the experimental data		
Practical	Improve analytical skills		
Course	 Correlate the theory and experiments and understand their 		
	importance		

Department of Botany Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Fifth

Subject: Botany

Paper	CO	Outcomes
_		
T.Y.	501.1	 Understand water relation and its significance.
Paper-I	4	 Understand the Osmosis, Diffusion, Osmotic Pressure.
Plant		 Understand the ascent of sap.
physiology,		 Understand the transpiration, phloem transport and
Mineral		mineral uptake.
Nutrition	501.2	Understand the photosynthesis process, photosynthetic
and		pigments.
Hydrophoni		Understand the light and dark reaction of
cs (501)		photosynthesis.
		 Understand the respiration and its mechanism.
		 Understand the fermentation process.
	501.3	Understand the nitrogen fixation by symbiotic and
		Non-Symbiotic mechanism.
		Study the pant movements and photoperiodism.
		Study the circadian rhythms and Biological Clock.

	T	-
	501.4	• Understand the mineral nutrition, source and types.
		 Study the role and deficiency symptoms
		Macronutrients and Micronutrients.
		 Study the hydroponics, advantages and disadvantages
		of hydroponics.
T.Y.	502.1	 Understand the concept of Ecology.
Paper-II		• Study the climatic, Edaphic and Physiographic factors.
Plant	502.2	Study the ecosystem, components of Ecosystem.
Ecology and		Understand the food chain, food web and ecological
Organic		pyramids.
Farming		 Study the Autecology and Synecology.
(502)	502.3	 Understand the process of succession.
		 Study the plant adaptations.
	4	 Study the Biogeochemical cycles.
	502.4	Develop the skills of organic farming.
24	-//	 Understand the methods of recycling of biodegradable
V.		kitchen, agriculture and industrial waste.
/		Study to prepare organic manure.
T.Y.	503	Determining the Frequency, Density, and Abundance
Botany		of community by Quadrate Method.
Practical		 Determining the homogeneity of vegetation by
Course	2	Raunkier's frequency.
X //		 Study the frequency of herbaceous species in
		grassland to compare the frequency distribution with
	T	Raunkier's standard frequency diagram.
	, -	• Study the soil profile of different locations near by
		area.
		 Study the salinity of different water samples.

SEMESTER VI

Department of Chemistry Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Sixth

Subject: Chemistry

Paper	CO	Outcomes
T.Y. Paper-I Inorganic Chemistry (601)	601.1	 Understand Metal ligand bonding in Transition Metal complexes. Electronic spectra of Transition Metal Complexes.
	601.2	 Understand Magnetic Properties of Transition metal Complexes. To study thermodynamic and kinetic aspect of metal complexes.
	601.3	 Understandorganometallic chemistry. Understand properties and structure of metal carbonyls.
	601.4	 To study Bio-organic chemistry Understand the concept of s Hard and Soft acids and

		bases.
T.Y. Paper-II	602.1	Understand NMR Spectroscopy
Organic Chemistry (602)	602.2	 Understand Organic Synthesis via Enolates. Carbohydrates: classification, reaction and mechanisms.
	602.3	 Understand Amino acids, peptides and nucleic acids. To study Fats, oil and detergents.
	602.4	 Understand synthetic dyes, synthetic drugs, syntheticpolymer.
T.Y.	603	Verify theoretical principles experimentally
Chemistry	4	 Interpret the experimental data
Practical		 Improve analytical skills
Course		Correlate the theory and experiments and understand their importance

Department of Physics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Sixth

Subject: Physics

Paper	CO	Outcomes
Paper 1:	601.1	• Understand the postulates of the special theory of
Relativity,		relativity.
Nuclear Physics		• Apply the concept of relativity to explain Length
and Bio Physics	44	contraction, Time dilation, Velocity addition
(601)		theorem, Variation of mass with velocity, Mass
		energy equivalence.
X-\\	601.2	 Understand the concept of nuclear physics.
	601.3	• Apply the concept of nuclear physics to explain
		various decay processes.
7	601.4	• Understand the Principle, Construction and working
		of different bio instruments.
Paper 2:	602.1	• Understand the operations and applications of
Electronics, Fiber	A	operational amplifiers.
Optics,	602.2	• Understand the various basic structures of optical
Communication		fibers and basic concept involved in propagation of
and Digital		light waves through optical fiber.
Electronics (602)	602.3	• Understand the concept of amplitude modulation and
		frequency modulation.
	602.4	 Understand various number systems.
		 Construct the truth tables for various logic gates.
		 Verify De Morgan's theorem
Physics Practical	603	• Apply and demonstrate the theoretical concepts of
(603)		Physics and to develop scientific attitude.

Department of Mathematics Course Outcomes (COs)

Course Name: B. Sc.

Year/Semester: Third/Sixth Subject: Mathematics

After successful completion of three-year degree program in Mathematics Students

should be able to;

Paper	CO	Outcomes		
TY	601.1	Understand the concept of Group Automorphism		
Paper-I	601.2	Understand definition and examples of vector spaces		
601	601.3	Learn about algebra of linear transformation		
Abstract	601.4	Find range, rank, kernel and nullity of matrix and also		
Algebra	4	study about Inner product spaces		
g				
TY	602.1	Study the Newtonian Mechanics and understand the		
Paper-II		concept special theory of relativity		
602	602.2	Learn the Lorentz transformation and consequences		
Special Theory	602.3	Understand the concept of Tensors and Space -Time		
of Relativity	4	structure		
	602.4	Study the Mass Energy Equivalence, Energy momentum		
1 / / /	7	Tensor and Maxwell's Equation of Electromagnet		
		theory in Vacuum		

Course Name: B. Sc.

Year/Semester: Third/Sixth

Subject: Zoology

After the success	After the successful completion of the course students will be able to-					
Paper	CO	Outcomess				
T.Y.	601.1	Understand the Types of neurons, E.M. structure of				
Paper-I	144	neuron, Conduction of nerve impulse, Ultrastructure of				
General		striated muscle, Sliding filament theory of muscle				
Mammalian		contraction, Properties of muscles (Twitch, Tetanus,				
Physiology - II		Tonus, Summation, All or None Principle, Muscle fatigue)				
(601)	601.2	Understand Structure of uriniferous tubule, Mechanism of				
		urine formation, Counter – current mechanism, Normal				
7		and abnormal constituents of urine; Elementary idea of				
		dialysis				
	601.3	Understand the Structure and functions of pituitary gland,				
		Structure and functions of thyroid and parathyroid gland,				
		Structure and functions of adrenal gland, Structure and				
		functions of pineal gland				
	601.4	Understand the Oestrous and menstrual cycle, Male and				
		female sex hormones, Causes of infertility in male and				
		female, Contraceptives – Mechanical and hormonal; <i>In</i> -				
		vitro fertilization				
T.Y.	602.1	Understand the Concepts of sterilization: Filtration,				
Paper-II		autoclaving, dry heat sterilization, wet sterilization and				
Applied		radiation, Separation of biomolecules: Centrifugation				
Zoology –II		(Sedimentation, density gradient); Chromatography (
(Biotechniques,		Elementary idea of thin layer, gel filtration and ion				
Microtechnique,		exchange - Principles and applications), Electrophoresis:				
Biotechnology,		Agarose gel electrophoresis, SDS-PAGE, Principles of				

Bioinformatics		colorimeter and spectrophotometers		
and	602.2	Understand the concept of Fixation, dehydration, clearing,		
Biostatistics)		embedding & section cutting, Difficulties encountered		
(602)		during section cutting (causes and remedies), Double		
		staining with Haematoxylin and Eosin, Histochemical		
		staining techniques for carbohydrates (Periodic acid		
		schiff), proteins (Mercury-bromophenol blue) and lipids		
		(Sudan black-B)		
	602.3	Understand the Basic concepts in recombinant DNA		
		technology, Gene isolation method- Shotgun cloning,		
		Isolation of gene- DNA manipulation enzymes: Nucleases,		
		ligases, polymerases, Basic concepts of cloning vectors		
		and splicing: Insertion of DNA and ligation using blunt		
		ends, cohesive ends, Cloning vectors, Application of		
		biotechnology: Insulin and vaccine production		
	602.4	Understand the Bioinformatics: Definition, Basic concepts		
4		in bioinformatics, importance and role of bioinformatics in		
		life sciences, Bioinformatics databases- introduction, types		
4//		of databases, Nucleotide sequence databases, Elementary		
X//	, 8	idea of protein databases, Biostatistics – Tabulation of		
'//	,2	data, presentation of data, sampling errors, mean, mode,		
		median, probability, standard error and standard deviation		
T.Y.	603	Verify theoretical principles experimentally		
Zoology	7	Interpret the experimental data		
Practical	Improve analytical skills			
Course	Correlate the theory and experiments and understand			
KIIG		their importance		
		\482		

Department of Botany Course Outcomes (COs)

Course Name: B. Sc. Year/Semester: Third/Sixth

Subject: Botany

Paper	CO	Outcomes
Biochemistry, biotechnology	601.1	Study the lipids, role of fatty acids, oils and waxes.
And herbal technology Paper-I		Study the enzymes its classification and nomenclature.
(601)	K	Study the basic concepts of
		Enzymology.Study the enzyme inhibitors.
	601.2	Study the tissue culture techniques.Study the process of sterilization.
		• Study the preparation of culture media
	601.3	Understand the techniques of genetic engineering.
		 Study the process of DNA library.
		• Study the types of DNA library.
		Study the Agrobacteria mediated gene

		transfer.
	601.4	Develop the skills of herbal technology.
		Study the methods of Cultivation,
		Harvesting,
		Understand the technique of dye
		yielding of herbal plants.
		• Study the used of herbs in cosmetics.
T.Y.	602.1	Study the phytogeography, climatic
Paper-II		regions of India.
Phytogeography, Utilization		Study the Environmental pollution.
of Plants, Techniques and		 Study the Renewable and Non
Pharmacognosy (602)		Renewable sources.
		 Understand the conservation strategies.
	602.2	 Study the morphology, utilization and
		important chemicals constituents of the
*		plants.
	-17	 Understand the concept of Ethnobotany.
	602.3	Study the principle, types and
*// X		application of microscope.
7// 5	Section .	Study the various techniques.
	602.4	 Understand synthetic dyes, synthetic
1// 25	The state of the s	drugs, synthetic polymer.
XII		Study the pharmacological plants
T.Y.	603	Find out the level of noise pollution of
Botany Practical Course	((-25)	different nearby area with the help of
	8	decimeter and compare it with tolerance
	10	limit
		Study the morphology, utilization, and
~		important chemical constituents of
#\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	T	plants.
1/ (144)		Study the Ethnobotanical importance of
		plants.
XII .		Study the different adulterants used with reference to drug adulteration
		with reference to drug adultration.

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