

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Program Outcomes				
Program No.	Program	Subjects	Program outcomes	Year
		B.A - Economics	The students will be able to:	2022-23
			1.Understand economics concepts and problems of economics demand and supply law its variations.	
		B.A - Economics	2. Get knowledge of population demographic theory, poverty and unemployment and its measures of eradications.	2022-23
		B.A - Economics	3. Understand price determinations under various market structures.	2022-23
		B.A - Economics	4. Understand factors of production determinants.	2022-23
		B.A - Economics	5. Get knowledge of national income accounting, inflation measures.	2022-23
		B.A - Economics	6. Understand present economic profile as an emerging economy.	2022-23
		B.A - Economics	7. Get knowledge of international financial intuitions functioning, its achievement and current status.	2022-23
		B.A - Economics	8. Get knowledge of theories of development and growth, macroeconomics policy its implantations.	2022-23
		B.A.(English)	The students will be able to:	
			1. Develop linguistic competence,	2022-23
		B.A.(English)	2. Get knowledge of Various Genres of Literature	2022-23
		B.A.(English)	3. Get knowledge of Linguistics and Phonetics to enhance Communication Skills	2022-23


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1	B.A.	B.A.(English)	4. Critically analyze the literary Works	2022-23
		B.A.(English)	5. Develop writing skills in English	2022-23
		B.A.(Geography)	The students will be able to:	
			1. Get knowledge for Courses of Travel and Tourism, Surveyor, Geo-informatics, MSW. , GPS, GIS & RS etc.	2022-23
		B.A.(Geography)	2. Develop knowledge and get success in UPSC and MPSC competitive exams.	2022-23
		B.A.(Geography)	3. Conduct socio-economic Survey with appropriate Methods and explain it with GIS & RS.	2022-23
		B.A.(Geography)	4. Read & explain Toposheets & IMD Weather Map.	2022-23
		B.A.(Geography)	5. Develop competence to find causes, study the consequences and giving suggestions for Disaster Management and can actively participate where ever applicable.	2022-23
		B.A.(Geography)	6. Gain knowledge and guide about different tourist places with geographical, Historical, Spiritual as well as aesthetic angle. tourist places	2022-23
		B.A.(Geography)	8. Understand & explain the situation of Physio- Socio-Economic aspects of India.	2022-23
		B.A.(Geography)	9. Understand the Natural & Manmade Resources and its importance for life.	2022-23
		B.A.(Geography)	10. Practice advanced and scientific agricultural methods in their Personal perspective.	2022-23
		B.A.(Geography)	11. Understand the concept of trade, environment , agriculture, population	2022-23
		B.A.(Geography)	12. Understand and explain about the Origin and landforms on the earth.	2022-23
			The students will be able to:	
		B.A. (politics)	1. Understand the role of human beings as conscious citizens	2022-23


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		B.A. (politics)	2.Develop Constitutional awareness	2022-23
		B.A. (politics)	3. Develop ideological base	2022-23
		B.A. (politics)	4.Develop International perspective	2022-23
		B.A (Marathi)	1 Build linguistic competence	2022-23
		B.A (Marathi)	2. Develop Literary Skills	2022-23
		B.A (Marathi)	3. Use Marathi in Practical life as a language of communication	2022-23
		B.A (Marathi)	4. Acquire different genres of Marathi Literature	2022-23
		B.A (Marathi)	5. Develop Critical abilities to understand the subtleties of language	2022-23
		B.A (Marathi)	6. Understand the scope and use of Marathi in Media, Newspapers and other Arts	2022-23
		B. Com. (Banking & Economics)	The students will be able to:	2022-23
			1: Understand banks and its functions.	
		B. Com. (Banking & Economics)	2: Aware about new technology implementation in banking sector.	2022-23
		B. Com. (Banking & Economics)	3: Gain knowledge about financial markets its functions, SBI role and controls.	2022-23
		B. Com. (Banking & Economics)	4: Understand money and capital market, foreign exchange markets its workings.	2022-23
		B. Com. (Banking & Economics)	5: Get knowledge about financial investment intuition especially in India.	2022-23
		B. Com. (Banking & Economics)	6: Understand banking regulation Act provisions and new amendments.	2022-23
		B. Com. (Banking & Economics)	7: Learn loan recovery methods of loan by bank.	2022-23
		B. Com. (Banking & Economics)	8: Get an idea about current scenario of Indian banking system.	2022-23
		B. Com. (Banking & Economics)	9: Know the economic concepts, demand and	


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2	B.Com	Economics)	supply variations, objectives of firms, demand forecasting, etc.	2022-23
		B. Com. (Banking & Economics)	10: Get knowledge about cost and its effects on any firm, industry and trade.	2022-23
		B. Com. (Banking & Economics)	11: Learn price determinations under various market structures.	2022-23
		B. Com. (Banking & Economics)	12: Get information on how factor of production determines	2022-23
		B. Com. (Banking & Economics)	13: Understand national income accounting, inflation measures.	2022-23
		B. Com. (Banking & Economics)	14: Get knowledge on today's profile as an emerging economy.	2022-23
		B. Com. (Banking & Economics)	15: Understand today's foreign trade and balance payment scenario.	2022-23
		B. Com. (Banking & Economics)	16: Understand international financial intuitions functioning, its achievement and current status.	2022-23
		B.COM	1 : Acquire knowledge of accountancy after completing their graduation.	2022-23
		(commerce)		
		B.COM	2: Develop the knowledge of income tax and other such laws related to business trade and	2022-23
		(commerce)		
		B.COM	3: Get knowledge of the market position and modern communication skills for success in the business.	2022-23
		(commerce)		
		B.COM	4: Do analysis by using mathematical and statical tools, to	2022-23
		(commerce)	undertake research in trade and commerce.	
		B.COM	5: Get knowledge of various managerial aspects.	2022-23
		(commerce)		
		B.COM	6: Develop communicative skills	2022-23
		(commerce)		
		B.COM	7: Develop business skills and entrepreneurship	2022-23
		(commerce)		


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		B.COM	8: Get Knowledge of banking rules regulation laws and practices.	2022-23
		(commerce)		
		B.COM (commerce)	9 : Understand the Theory and Practice of Economics and knowledge of the consequences of Economical changes.	2022-23
		B.COM (commerce)	10- Achieve professional success through communication skills	2022-23
3	B.Sc. (Comp.)	B.C.S.	The students will be able to:	2022-23
			1. Develop Theoretical and Practical skills of Computer Science	
		B.C.S.	2. Apply knowledge of computing and mathematics appropriately	2022-23
		B.C.S.	3. Develop Competence to identify formulate and develop solutions to computational challenges.	2022-23
		B.C.S.	4. Design implement and evaluate computational system to meet desired results	2022-23
		B.C.S.	5. Use appropriate technology skills and tools necessary for computing practice	2022-23
		B.C.S.	6. Apply knowledge of computing and statistics appropriately	2022-23
		B.C.A.	The students will be able to:	
			1. Get knowledge required for planning, designing and building Complex Application Software Systems	2022-23
		B.C.A.	2. Develop sound academic base from which an advanced career in Computer Applications can be developed.	2022-23
		B.C.A.	3. Develop practical skills to address problems in computer systems and applications.	2022-23
		B.C.A.	4. Produce knowledgeable and skilled human resources which is employable in IT	2022-23


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4	B.C.A.	B.C.A.	5.Develop practical skills to address problems in computer systems and applications.	2022-23
		B.C.A.	6.Acquire professional competence in developing software and in its design and implementation.	2022-23
		B.C.A.	7.Develop basic statistical knowledge required for computer applications	2022-23
		BBA[CA]	8. Develop sound academic base from which an advanced career in Computer Applications can be developed.	2022-23
		BBA[CA]	9.Conceptual grounding in computer usage as well as its practical business application will be provided making	2022-23
		BBA[CA]	10.Become globally competent.	2022-23
		BBA[CA]	11.Acquire practical skills to address problems in computer systems and applications.	2022-23
		BBA[CA]	12.Get statistical knowledge required for computer applications	2022-23
		B.Sc.(Microbiology)	The students will be able to:	2022-23
			1. Understands the physiology, genetics, biochemistry, medical microbiology and agricultural microbiology of bacteria and viruses and an	
5	B.Sc. (Micro)	B.Sc.(Microbiology)	2. Develop basic laboratory skills required for a career in either applied or research microbiology	2022-23
		B.Sc.(Microbiolog y)	3. Understand how viruses and bacteria survive, multiply, interact with their environment and cause disease through core studies on their structure	2022-23
		B.Sc.(Microbiolog y)	4. Develop their interest in general microbiology and acquire appropriate intellectual, scientific knowledge	2022-23
		B.Sc.(Microbiolog y)	5.Develop advanced practical skills relevant to microbiology	2022-23
		B.Sc.(Microbiolog y)	6. Understand laboratory-based investigations in microbiology applicable to studying microbial involvement in health, and disease	2022-23


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		B.Sc.(Microbiology)	7. Get employment in various industries like food industry, pharmaceutical and agriculture-based industry.	2022-23
		B.Sc.(Microbiology)	8. Acquire knowledge regarding morphological & anatomical structure of plants	2022-23
		B.Sc.(Microbiology)	9. Increase the knowledge of classification system of plants according to various scientists	2022-23
		B.Sc.(Microbiology)	10. Develop the practical skills relevant to botany	2022-23
6	M.Com.	M.Com(commerce)	The students will be able to: 1 : Get knowledge of the advances in accountancy especially in the area of corporate and service sector.	2022-23
		M.Com(commerce)	2: Know the various managerial concepts including strategic management useful for success in business.	2022-23
		M.Com(commerce)	3. Get knowledge of the research mythology in order to conduct in depth study of the subjects related to trade, commerce and Industry.	2022-23
		M.Com(commerce)	4. Aware the current problems in business environment So cyber law study and human rights are included as part of curriculum.	2022-23
		M.Com(commerce)	5. Apply their current knowledge related to income tax including excise duty, service tax, GST and vat	2022-23
		M.Com(commerce)	6. Get knowledge of the capital market	2022-23
		M.Com(commerce)	7. Verify the methods of raising the finance its adverse and favorable effects.	2022-23
		M.Sc.(Microbiology)	The students will be able to: 1. Get detailed information about the modern technologies used in diagnostics and research to enable them to apply these to complex problem solving in the investigation of disease	2022-23


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M.Sc.(Microbiology)	2. Develop advanced practical skills relevant to microbiology, Interpret quantitative and qualitative data. Learn independently take responsibility for planning and organization of work both their own and in a team	2022-23
M.Sc.(Microbiology)	3. Apply ideas, principles and theories effectively by oral, written and visual means	2022-23
M.Sc.(Microbiology)	4. Apply basic statistical and numerical skills to microbiological data. Use Information Technology e.g. Internet, Virtual Learning Resources, word processors and	2022-23
M.Sc.(Microbiology)	5. Work effectively and independently on a given project or task. Work effectively in small groups and teams towards a common Goal/outcome	2022-23
M.Sc.(Microbiology)	6. Acquire a number of transferable skills, including: design and execution of experiments (including working in a team); accessing information; interpretation of	2022-23
M.Sc.(Microbiology)	7. Understand the forefront of selected areas of microbial research, through lectures, directed studies and presentations as well as a lab-	2022-23
M.Sc.(Microbiology)	8. Increase their confidence level and become socially responsible person	2022-23
M.Sc.(Microbiology)	9. Get knowledge of fermentation process, design of bioreactor & its working	2022-23
M.Sc.(Microbiology)	10. Get knowledge of species & species evolution	2022-23
M.Sc.(Microbiology)	11. Understand how to cultivate unculturable using various molecular methods & bioinformatics	2022-23
M.Sc.(Microbiology)	12. Get knowledge of gene sequencing	2022-23
M.Sc.(Microbiology)	13. Understand various statistical methods under quantitative biology	2022-23
M.Sc.(Microbiology)	14. Understand cell organization & biochemistry	2022-23
M.Sc.(Microbiology)	15. Get knowledge of instrumentation & molecular physics	2022-23
M.Sc.(Microbiology)	16. Understand microbial metabolism & bioenergetics	2022-23


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		M.Sc.(Microbiology)	17. Get practical knowledge of enzymology & microbial metabolism	2022-23
		M.Sc.(Microbiology)	18. Get knowledge of pharmaceutical & medical microbiology	2022-23
		M.Sc.(Microbiology)	19. Get knowledge of molecular biology	2022-23
		M.Sc.(Microbiology)	20. Get knowledge of microbial technology	2022-23

Dr. Patil

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for

2.6.1 :- Courses outcomes for All Courses

Id	Program	Sem	Course Code	CourseName	Courses outcomes
1	B.Com	Semester –I	111	Compulsory English-I	The students will be able to: 1. Analyze good pieces of prose and poetry so that they realize the beauty and communicative power of English.
2	B.Com	Semester –I	111	Compulsory English-I	2. Get an exposure to native, cultural experiences and situations so that they Understood the importance and utility of English language
3	B.Com	Semester –I	112	Financial Accounting- I	The students will be able to: 1. Get knowledge of basic accounting concepts
4	B.Com	Semester –I	112	Financial Accounting- I	2. Create awareness about application of these concepts in business world
5	B.Com	Semester –I	113	Business Economics (Micro) - I	The students will be able to: 1. Develop knowledge of business economics
6	B.Com	Semester –I	113	Business Economics (Micro) - I	2. Understand basic theories, concepts of micro economics and their application
7	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	The students will be able to: 1. Apply applications of Statistics and Mathematics in Business
8	B.Com	Semester –I	114 (A)	Business Mathematics &	2. Analyze the data by using some elementary statistical methods
9	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	1. Get knowledge of fundamentals of Banking
10	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	2. Develop awareness about various banking concepts


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11	B.Com	Semester –I	116 - B	Insurance and Transport- I	3. Understand the concepts of Insurance
12	B.Com	Semester –I	116 - B	Insurance and Transport- I	2. Get basic knowledge about Life Insurance, Fire Insurance and Marine Insurance.
13	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	1. Understand the concept of Business Environment and its aspects
14	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	2. Examine personality competencies most common to majority of successful entrepreneurs and to show how these competencies can be developed or acquired
15	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	3. Generate entrepreneurial inspiration through the study of successful Entrepreneurs
16	B.Com	Semester –I	115-C	Commercial Geography	1.Students Understand the scope and content of commercial geography in relation to spatial distribution of agriculture, forest resources and industrial production
17	B.Com	Semester –I	115-C	Commercial Geography	2. Acquaints dynamic aspects of commercial geography.
18	B.Com	Semester –I	117-A	Additional English	1. Develop confidence to speak fluent English.
19	B.Com	Semester –I	117-A	Additional English	2. Develop the ability to use English language.
20	B.Com	Semester –II	121	Compulsory English-II	3. Develop linguistic competence and communicative skills.
21	B.Com	Semester –II	121	Compulsory English-II	4. Develop oral and written communicative skills, so employability enhances and English becomes the medium of their livelihood and personality.
22	B.Com	Semester –II	122	Financial Accounting- II	1.Impart knowledge of various software used in accounting
23	B.Com	Semester –II	122	Financial Accounting- II	2. Impart knowledge about final accounts of charitable trusts
24	B.Com	Semester –II	123	Business Economics (Micro) - II	1. Understand the basic concepts of micro economics.


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25	B.Com	Semester –II	123	Business Economics (Micro) - II	2. Understand the tools and theories of economics for solving the problem of decision making by consumers and producers.
26	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	1. Understand the basic concepts in Finance and Business Mathematics and Statistics
27	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	2. Learn some elementary statistical methods for analysis of Data
28	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	1. Develop the working capability of students in banking sector
29	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	2. Understand Banking Business and practices
30	B.Com	Semester –II	126 (B)	Insurance and Transport- II	1. Acquaint with the concepts of transport.
31	B.Com	Semester –II	126 (B)	Insurance and Transport- II	2. Create awareness regarding basic knowledge about transportation system in India.
32	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	1. Understand Nature - Comparison between entrepreneurial and non-entrepreneurial,
33	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	2. Understand Role of Entrepreneurship in economy
34	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	3. Prepare their mind set for taking up entrepreneurship as career.
35	B.Com	Semester –II	125-C	Commercial Geography-II	3. Get Knowledge about dynamic nature and industrial field
36	B.Com	Semester –II	125-C	Commercial Geography-II	4. Understand the relationship between the geographical factors and economic activities
37	B.Com	Semester –II	127-A	Additional English-II	1. Develop the ability to use English language.
38	B.Com	Semester –II	127-A	Additional English-II	2. Inculcate the Joy of Reading literary texts.


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39	B.Com	Semester –III	231	Business Communication-I	1. Understand the concept, process and importance of communication.
40	B.Com	Semester –III	231	Business Communication-I	2. Develop business communication skills through the application and exercises.
41	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	1. Understand the conceptual aspect of corporate accounting.
42	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	2. Prepare final accounts of a company as per Schedule III of the Companies Act 2013
43	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	1. Analyze basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
44	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	2. Stimulate the interest by showing the relevance and use of various economic theories.
45	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	1. Get basic knowledge and understanding about various concepts of Business Management.
46	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	2. Understand the various functions of management
47	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	1. Impart with the knowledge of fundamentals of Company Law.
48	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	2. Update the knowledge of provisions of the Companies Act of 2013.
49	B.Com	Semester –III	236(B)	Banking and Finance-I	1. Get knowledge about Indian Banking System.
50	B.Com	Semester –III	236(B)	Banking and Finance-I	2. Understand about the role of banking in economic development.
51	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	3. Understand the basic concepts of cost.
52	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	4. Prepare a cost sheet.


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53	B.Com	Semester –IV	241	Business Communication-II	1. Develop good communication skills requisite for business correspondence.
54	B.Com	Semester –IV	241	Business Communication-II	2. Develop business communication skills through the application and exercises
55	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	1. Acquaint with knowledge of corporate policies of investment for expansion and growth through purchase of stake in or absorption of smaller units.
56	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	2. Introduce the recent trends in the field of accountancy
57	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	1. Exposed to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
58	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	2. Stimulate interest by showing the relevance and use of various economic theories.
59	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	1. Get the knowledge about motivating the staff.
60	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	2. Get knowledge about Emerging trends in Business management
61	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW- II	1. Develop general awareness among the students about management of company
62	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW- II	2. Understand Key managerial Personnel of company and their role in Company administration.
63	B.Com	Semester –IV	246(B)	Banking and Finance-II	1. Get knowledge of Cooperative Banking in India
64	B.Com	Semester –IV	246(B)	Banking and Finance-II	2. Analyze the functioning of Development Banking
65	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	1. Understand the documents used in stores and calculate the issuing price of material.
66	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	2. Understand recent trends in cost accounting.


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67	B.Com	Semester –V	351	Business Regulatory Framework	1. Get conceptual knowledge about the framework of business Law in India.
68	B.Com	Semester –V	351	Business Regulatory Framework	2. Develop awareness about legal environment relating to the Contract Law, Partnership Act, Sale of Goods Act in India.
69	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	1. Get knowledge about various concepts, objectives, and applicability of some important accounting standards.
70	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	2. Get knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act
71	B.Com	Semester –V	353	Indian & Global Economic Development	1. Develop ability to analyze economic development process of India.
72	B.Com	Semester –V	353	Indian & Global Economic Development	2. Impart knowledge about the relevance of economic practices in modern competitive world.
73	B.Com	Semester –V	354	Auditing	1. Acquaint themselves about the Definition, Nature, Objectives and Advantages of Auditing, Types of Audit, Errors and Fraud, Audit Program, Notebook, Working Paper, Internal Control, Check.
74	B.Com	Semester –V	354	Auditing	2. Get knowledge about concept of Checking, Vouching, Verification and Valuation, Types of Audit Report and Auditing Assurance Standard.
75	B.Com	Semester –V	355-B	Banking and Finance-Special Paper II	1. Acquaint with Indian Financial System and its various segments.
76	B.Com	Semester –V	355-B	Banking and Finance-Special Pa	2. Aware of Indian Money Market.
77	B.Co m	Semester –V	355 – e	Cost and Works Accounting. Special Paper II	1. Introduce the cost accounting standards and the cost accounting standard board.
78	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	1. Familiarize the Banking Laws and Practice in correlation to the Banking System in India.


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79	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	2. Understand the legal aspects of Banking transactions and its implication as a Banker and as a customer.
80	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	1. Understand the basic techniques in Cost Accounting
81	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	2. Understand the application of Cost Accounting techniques in cost control and decision making.
82	B.Com	Semester –VI	361	Business Regulatory Framewor	1. Develop general awareness of Business Law among the students.
83	B.Com	Semester –VI	361	Business Regulatory Framewor	2. Understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships
84	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	1. Get knowledge about the legal provisions regarding preparation and presentation of final accounts of Co- operative
85	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	2. Understand the procedure and methods of analysis of financial statements.
86	B.Com	Semester –VI	363	Indian & Global Economic Deve	1. Develop ability of students to analyze economic development process of India.
87	B.Com	Semester –VI	363	Indian & Global Economic Deve	2. Get knowledge of recent trends in Human Development Index.
88	B.Co m	Semester –VI	364	Auditing & Taxation - II	1. Understand the basic concepts of Income Tax Act, 1961 and create awareness of direct taxation among the students.
89	B.Com	Semester –VI	364	Auditing & Taxation - II	2. Understand the income tax rules and regulations and its provisions.
90	B.Com	Semester –VI	365-B	Banking & Finance-Special Pap	1 .Familiarize about various basic concepts of stock market.
91	B.Com	Semester –VI	365-B	Banking & Finance-Special Pap	2 .Analyze the types and process of stock trading.
92	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	1. Get knowledge about the various methods of costing.


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93	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	2. Understand the applications of different methods of costing in manufacturing and service industries.
94	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	1. Familiarize about concept and types cybercrimes in banking
95	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	2. Understand the aspects of paying and collecting banker.
96	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	1. Impart knowledge about Standard Costing and Variance Analysis
97	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	2. Learn about pricing policy and its implementation.
98	B.A.(Geo gr a phy)	Semester –I	11201	Physical Geography	1. Introduce the concept of physical geography
99	B.A.(Geo gr a phy)	Semester –I	11201	Physical Geography	2. Understand basic concept of physical geography
100	B.A. Politics	Semester –I	11161	Politics G1	1.Study in detail the political structure both Constitutional and Administrative.
101	B.A Economi cs	Semester –I	11151	G-1 Indian Economic Environment	1.Provide with the background of the Indian Economy with focus on contemporary issues like economic environment.
102		Semester –I	11151	G-1 Indian Economic Environment	2. Develop an understanding of the economic environment and the factors affecting economic environment.
103	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	1. Create, interest about Literature.
104	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	2. Aware about Marathi Literature, Marathi Language and Marathi Culture.
105	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	3. Develop the sense of awareness about literature amongst student


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106	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	1. Develop grammatical skills and accuracy
107	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	2. Develop writing skills and comprehension of literature
108	B.A. ENGLISH	Semester –I	11331	Optional English G1	1. Understand the basics of literature and language
109	B.A. ENGLISH	Semester –I	11331	Optional English G1	2. Familiarize with different types of literature in English, the literary devices and terms so that they Understand the literary merit, beauty and creative use of language
110	B.A.(Geography)	Semester –II	12201	Human Geography	1. Introduce the concept of Human geography
111	B.A.(Geography)	Semester –II	12201	Human Geography	2. Understand basic concept of Human geography
112	B.A. Politics	Semester –II	12161	Politics G1	1. Familiarize students with the working of the Constitution of India. Study the political processes and the actual functioning of the political
113	Marathi	Semester –II		Modern Indian language Marathi	1-उभाषक कौशल याची त्ाषकिसर करणे
114	B.A. Economics	Semester –II	11152	G-1 Indian Economic Environment	1.Familiarize the students with the recent developments in the Indian Economy
115	B.A. Economics	Semester –II	11152	G-1 Indian Economic Environment	2.Compare and contrast Indian Economy with other world economies.
116	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	1. Develop vision of literature amongst student


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117	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	2. Attend various trends and type of Marathi Literature.
118	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	3.Develop the capacity of linguistic competence in order to confront the world global competition
119	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	1.Familiarize with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
120	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	2. Expose to native cultural experiences and situations in order to develop human values and social awareness
121	B.A. ENGLISH	Semester –II	12331	Optional English G1	1. Understand basic units of language so that they become aware of the technical aspects and their practical usage
122	B.A. ENGLISH	Semester –II	12331	Optional English G1	2. Prepare detailed study and Understand literature and language
123	B.A.(Geo gr a phy)	Semester –III	23202	Population Geography-I (S1)	1. Understand the history of population.
124	B.A.(Geo gr a phy)	Semester –III	23202	Population Geography-I(S-I)	2. Introduce of the basic concepts in population Geography.
125	B.A.(Geo gr a phy)	Semester –III	23203	Practical Geography-I(Scale &	1. Enable to use various scales and Projection techniques in Geography
126	B.A.(Geo gr a phy)	Semester –III	23203	Practical Geography-I(Scale &	2. Explain the elementary and essential Principles of Practical work in geography
127	B.A.(Geo gr a phy)	Semester –III	2304	Environmental Geography-I (G	1. Understand about dynamic environment


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128	B.A.(Geography)	Semester –III	2304	Environmental Geography-I (G	2. Acquaint with fundamental concepts of environment Geography for development in different areas.
129	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Man	1. Inculcate critical thinking and Problem- solving abilities on disaster management
130	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Man	2. Enable to assess the situation and design plan for disaster management.
131	B.A. Politics	Semester –III	23164	Politics G2	1. Study the concepts, ideas and theories in political theory. Role of different political ideologies and their impact in politics.
132	B.A. Politics	Semester –III	23162	Politics Special II	2. Understand complex relationship between the communication, media and power politics.
133	B.A. Politics	Semester –III	23165	Politics Special SEC	1. Acquaint students with the important features of the Constitution of India and with the basic framework of Indian
134	Economics	Semester –III	23153	G -2. Financial System-I	1. Understand the recent trends and developments in banking system.
135	Economics	Semester –III	23153	G -2. Financial System -I	2. Understand fundamentals of modern financial system.
136	B.A Economics	Semester –III	23151	S -1. Micro Economics -I	1. Develop understanding about subject matter of Economics.
137	B.A Economics	Semester –III	23151	S -1. Micro Economics-I	3. Impart knowledge of Micro economics.
138	B.A Economics	Semester –III	23152	S -2. Macro Economics -I	1. Introduce the historical background of the emergence of Macro Economics


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139	B.A Economics	Semester -III	23152	S -2. Macro Economics-I	4. Familiarize with various concepts of national income
140	B.A Economics	Semester -III	23154	SEC Basic Concept of Research Methodology -I	1. Develop the understanding of the basic concept of research
141	B.A Economics	Semester -III	23154	SEC Basic Concept of Research Methodology -I	5. Identify various sources of information for data collection
142	B.A. Politics	Semester -III	23161	Politics Special I	1. Understand major traditions of thought that have shaped political discourse in different parts of the world. The great diversity of social contexts and philosophical visions.
143	B.A. Marathi	Semester -III	23021	Marathi Special Paper I	1. Make aware of the historical tradition of Marathi Literature.
144	B.A. Marathi	Semester -III	23021	Marathi Special Paper I	1. Aware of Literature on the account of its background and inspiration behind literature and to give knowledge about its nature
145	B.A. Marathi	Semester -III	23022	Marathi Special Paper II	1. Explore the process of development of the types of literature.
146	B.A. Marathi	Semester -III	23023	S.Y.B.A Marathi General II	1. Introduce the rules and regulations of the 'Shuddhalekhan'.
147	B.A. Marathi	Semester -III	23023	S.Y.B.A Marathi General II	2. Introduce the rules and regulations of the 'Shuddhalekhan'
148	B.A. Marathi	Semester -III	23025	Marathi SEC2A	
149	B.A. ENGLISH	Semester -III	23001	Compulsory English S.Y.	1. Develop competence for self-learning


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150	B.A. ENGLISH H	Semester -III	23001	Compulsory English S.Y.	2. Familiarize with excellent pieces of prose and poetry in English so realize the beauty and communicative power of English
151	B.A. ENGLISH H	Semester -III	23333	Optional English G2	1. Expose to the basics of short story as one of the literary forms
152	B.A. ENGLISH H	Semester -III	23333	Optional English G2	2. Familiarize with different types of short stories in English
153	B.A. ENGLISH H	Semester -III	23331	English Special I	1. Encourage detailed study of a few sample masterpieces of English Drama from different parts of the world
154	B.A. ENGLISH H	Semester -III	23331	English Special I	2. Develop to appreciate and analyze drama independently
155	B.A. ENGLISH H	Semester -III	23332	English Special II	1. Familiarize with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
156	B.A. ENGLISH H	Semester -III	23332	English Special II	2. Make a detailed study of a few sample masterpieces of English poetry
157	B.A. ENGLISH H	Semester -III	23334	English SEC 2A	1. Enhance the skill of using English for everyday communication
158	B.A. ENGLISH H	Semester -III	23334	English SEC 2A	2. Acquaint with the verbal and non-verbal communication
159	B.A.(Geography)	Semester -IV	24202	Population Geography-II (S1)	1. Introduce the Population policy of India and China


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160	B.A.(Geography)	Semester –IV	24202	Population Geography-II(S-I)	2. Understand the Health indicator in India
161	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	1. Introduce to the basic and contemporary concept in geography
162	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	2. Introduce the latest concept regarding the modern cartography in the field of geography
163	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	1. Acquaint the about the past , present and future utility and potentials of natural resources
164	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	2. Make aware about the problem of environment its utilization and conservation in the view of sustainable development
165	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	1. Develop basic framework to understand the various elements of tourism management
166	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	2. Evaluate the roll of transport in Travel and Tourism industry
167	B.A.(Geography)	Semester –IV	352201	Geography of india -I(S3)	1. Understand the inter relationship between the subject and the Society
168	B.A. Politics	Semester –IV	24164	Politics G2	2. Explain the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.
169	B.A. Politics	Semester –IV	24162	Politics Special II	1. Critically appraise practices of political image management, campaigns, propaganda and censorship.
170	B.A. Politics	Semester –IV	24165	Politics Special SEC	1 Emphasizes on local influences from social stratification of castes, from language, religion, ethics and economic determinants and critically assesses its political processes.


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171	B.A Economics	Semester -IV	23153	G -2. Financial System-II	1.Understand intricacies of Indian financial system for better financial decision making.
172	B.A Economics	Semester -IV	23153	G -2. Financial System -II	2.Get knowledge of various financial and non-financial institutions.
173	B.A Economics	Semester -IV	23151	S -1. Micro Economics -II	1.Prepare for varied competitive examinations
174	B.A Economics	Semester -IV	23151	S -1. Micro Economics-II	2.Develop an understanding of basic theories of micro economics and their application
175	B.A Economics	Semester -IV	23152	S -2. Macro Economics -II	1.Introduce to the various instruments of monetary and fiscal policies
176	B.A Economics	Semester -IV	23152	S -2. Macro Economics-II	2.Introduce the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth.
177	B.A Economics	Semester -IV	23154	SEC Basic Concept of Research Methodology -II	1. Identify various sources of information for data collection
178	B.A Economics	Semester -IV	23154	SEC Basic Concept of Research Methodology -II	2. Develop the understanding of the conducting survey on various issues.
179	B.A. Politics	Semester -IV	24161	Politics Special I	1. Understand the history of political thought as a series of critical, interconnected and open-ended conversations about the ends and means of the good life.


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180	B.A. Marathi	Semester -IV	24021	Marathi Special Paper I	2. Understand Literature on the account of its background and inspiration behind literature and to give knowledge about its nature
181	B.A. Marathi	Semester -IV	24022	Marathi Special Paper II	1. Understand the scope of literature.
182	B.A. Marathi	Semester -IV	24023	S.Y.B.A General II	3. Explain scope of modern Marathi Literature.
183	B.A. Marathi	Semester -IV	24023	S.Y.B.A General II	4. Discuss about story, novel, Auto-biography and biography.
184	B.A. ENGLISH	Semester -IV	24001	Compulsory English S.Y.	1. Develop interest in reading literary pieces
185	B.A. ENGLISH	Semester -IV	24001	Compulsory English S.Y.	2. Expose to native cultural experiences and situations in order to develop human values and social awareness
186	B.A. ENGLISH	Semester -IV	24333	Optional English G2	1. Understand the literary merit, beauty and creative use of language
187	B.A. ENGLISH	Semester -IV	24333	Optional English G2	2. Get knowledge of some advanced units of language so that they become aware of the technical aspects and their practical usage
188	B.A. ENGLISH	Semester -IV	24331	English Special I	3. Enhance the aesthetics of Drama and empower to evaluate drama independently
189	B.A. ENGLISH	Semester -IV	24331	English Special I	4. Familiarize with the terminology in drama criticism (i.e. The term used in Critical Analysis and Appreciation of drama)
190	B.A. ENGLISH	Semester -IV	24332	English Special II	3. Enhance the aesthetics of poetry


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191	B.A. ENGLISH	Semester –IV	24332	English Special II	4. Read and appreciate poetry as a form of literature
192	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	1. Develop interest to interact in English
193	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	2. Access exposure of speaking in Various contexts.
194	B.A.(Geography)	Semester –V	352201	Geography of India -I(S3)	3. Understand the recent trends in regional Studies
195	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis	1. Acquire the knowledge of topo sheet interpretation
196	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis	2. Acquire the knowledge of weather maps and its interpretation
197	B.A.(Geography)	Semester –V	35205	Geography of Tourism -I G-3	1. Understand the types of tourism
198	B.A.(Geography)	Semester –V	35205	Geography of Tourism -I G-3	2. Get knowledge of different aspects of tourism geography
199	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	1. Develop the understanding of the basic framework of sampling and data collection
200	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	2. Develop the understanding of various sampling methods and techniques


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201	B.A. Politics	Semester –V	35162	Politics Special IV	1. Understand the concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms.
202	B.A. Politics	Semester –V	35162	Politics Special IV	2. Study the changing Nature of the National Power.
203	B.A Economics	Semester –V	35153	G3 Indian Economic Developm	1. Explain the characteristics of Developing and Developed Countries
204	B.A Economics	Semester –V	35153	G3 Indian Economic Developm	2. Recognize the concept and indicators of Economic Development.
205	B.A Economics	Semester –V	35151	S3 International Economics-I	1. Recall the concepts of International Economics and International Trade.
206	B.A Economics	Semester –V	35151	S3 International Economics-I	2. Describe and apply the theories of international trade.
207	B.A Economics	Semester –V	35152	S4 Public Finance -I	1. Analyze the role of Public Finance in Economic Development.
208	B.A Economics	Semester –V	35152	S4 Public Finance -I	2. Understand the sources of Revenue, Expenditure and Debt of Govt. of India.
209	B.A Economics	Semester –V	35154	SEC Business Management-I	1. Develop Management of Business.


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210	B.A Economics	Semester –V	35154	SEC Business Management-I	2. Develop ability to work in teams at the same time, ability to show leadership qualities.
211	B.A. Politics	Semester –V	35163	Politics G3	3. Understand the scope of the sub-discipline of Modern Political Analysis.
212	B.A. Politics	Semester –V	35161	Politics Special III	4. Understand the Public Administration
213	B.A. Politics	Semester –V	35162	Politics Special IV	5. Understand the concepts and dimensions of International Relations.
214	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	1. Understand the process of origin Literature.
215	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	2. Understand the language of literature.
216	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	1. Understand language and its scope and nature.
217	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	2. Understand various angles of study of Marathi Language.
218	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	1. Discuss about story, novel, Auto-biography and biography.
219	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	2. Understand importance of auto-biography and biography.
220	B.A. Marathi	Semester –V	35025	Marathi SEC2C (2)	
221	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	1. Introduce the best uses of language in literature.
222	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	2. Familiarize with the communicative power of English


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223	B.A. ENGLIS H	Semester –V	35025	Compulsory English T.Y.	3. Enable to become competent users of English in real life situations
224	B.A. ENGLIS H	Semester –V	35333	Optional English G3	1. Understand how Indian English poetry expresses the ethos and culture of India
225	B.A. ENGLIS H	Semester –V	35333	Optional English G3	2. Understand creative uses of language in Indian English Poetry
226	B.A. ENGLIS H	Semester –V	35333	Optional English G3	3. Introduce some advanced areas of language study
227	B.A. ENGLIS H	Semester –V	35331	English Special III	1. Familiarize to the basics of novel as a literary form
228	B.A. ENGLIS H	Semester –V	35331	English Special III	2. Understand the historical development and nature of novel
229	B.A. ENGLIS H	Semester –V	35331	English Special III	3. Understand different types and aspects of novel
230	B.A. ENGLIS H	Semester –V	35332	English Special IV	1. Understand different approaches to literature
231	B.A. ENGLIS H	Semester –V	35332	English Special IV	2. Familiarize to the basics of literary criticism


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232	B.A. ENGLISH	Semester –V	35332	English Special IV	3. Understand the nature and historical development of criticism
233	B.A. ENGLISH	Semester –V	35334	English SEC 2C	1. Develop overall personality of the students.
234	B.A. ENGLISH	Semester –V	35334	English SEC 2C	2. Develop social skills.
235	B.A.(Geography)	Semester –VI	36201	Geography of India -II(S3)	1. Acquaint with geography of our nation

236	B.A.(Geography)	Semester –VI	36201	Geography of India -II(S3)	2. Understand the magnitude of problems and prospectus at national Level
237	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Village/ Project Report (S4)	1. Understand the concept Geographical data and its basic analysis for students
238	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursion./ Village/ Project Report (S4)	2. Understand the concept of testing and application of hypothesis
239	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	1. Understand the history of Tourism


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240	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	2. Understand the basic concepts in tourism geography
241	B.A.(Geography)	Semester –VI	36206	Research Methodology -II (SEC)	1. Identify various Sources of information for data Collection
242	B.A.(Geography)	Semester –VI	36206	Research Methodology -II (SEC)	2. Understand of the Conducting survey on various issues and develop the report writing skill of student
243	B.A Economics	Semester –VI	35153	G3 Indian Economic Developm	1. Describe and explain the process of Economic Planning
244	B.A Economics	Semester –VI	35153	G3 Indian Economic Developm	2. Describe and explain the relation between Economic Development and Environment.
245	B.A Economics	Semester –VI	35151	S3 International Economics-II	1. Explain the concept of Exchange Rate and Foreign Exchange Market.
246	B.A Economics	Semester –VI	35151	S3 International Economics-I	2. Understand the trends in Growth, Composition and Direction of India's Foreign Trade.
247	B.A Economics	Semester –VI	35152	S4 Public Finance -II	1. Analyze the concept of Deficit Financing and its effects.
248	B.A Economics	Semester –VI	35152	S4 Public Finance -II	2. Understand components and instruments of Fiscal Policy


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249	B.A Economics	Semester -VI	35154	SEC Business Management-II	1. Analyze collected data and interpret it in the most logical manner
250	B.A Economics	Semester -VI	35154	SEC Business Management-II	2.comprehend and illustrate/demonstrate findings
251	B.A. Politics	Semester -VI	35163	Politics G3	1 .Understand different forms of justifications of power and the role of ideology.
252	B.A. Politics	Semester -VI	35161	Politics Special III	2. Develop administrative salience and capabilities to deal with process of change.
253	B.A. Politics	Semester -VI	35162	Politics Special IV	3. Study the Changing Nature of the National Power
254	B.A. Politics	Semester -VI	35165	Politics Special SEC	5. Understand the historical evolution of Maharashtra's politics and different analyses of politics of the state.
255	B.A. Marathi	Semester -VI	35021	Marathi Special Paper III	1. Understand the artistic value of literature.
256	B.A. Marathi	Semester -VI	35021	Marathi Special Paper III	2.Know the co-relation between Literature & Society
257	B.A. Marathi	Semester -VI	35022	Marathi Special Paper IV	1. Understand the descriptive, Historical and Comparative method, scope and difference of language.
258	B.A. Marathi	Semester -VI	35022	Marathi Special Paper IV	2. Understand system of Marathi Language.
259	B.A. Marathi	Semester -VI	35025	Marathi SEC2D (2)	
260	B.A. ENGLISH	Semester -VI	36001	Compulsory English T.Y.	1. Develop cultural experiences through literature
261	B.A. ENGLISH	Semester -VI	36001	Compulsory English T.Y.	2. Develop communicative and soft skills


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262	B.A. ENGLISH	Semester -VI	36333	Optional English G3	1. Understand detailed study of literature and language
263	B.A. ENGLISH	Semester -VI	36333	Optional English G3	3. Analyze the best samples of Indian English Poetry
264	B.A. ENGLISH	Semester -VI	36331	English Special III	1. Develop literary sensibility and sense of cultural diversity
265	B.A. ENGLISH	Semester -VI	36331	English Special III	2. Get knowledge about some of the best examples of novel
266	B.A. ENGLISH	Semester -VI	36331	English Special III	3. Develop skills to critically examine novels independently
267	B.A. ENGLISH	Semester -VI	36332	English Special IV	1. Familiarize with the significant critical approaches and terms
268	B.A. ENGLISH	Semester -VI	36332	English Special IV	2. Interpret literary works in the light of the critical approaches
269	B.A. ENGLISH	Semester -VI	36332	English Special IV	3. Develop aptitude for critical analysis
270	B.A. ENGLISH	Semester -VI	36334	English SEC 2D	1. Understand interpersonal skills.
271	B.A. ENGLISH	Semester -VI	36334	English SEC 2D	2. Enhance leadership qualities.
272	M.Com	Semester -I	101	Management Accounting	1. Acquire sound Knowledge of concepts, methods and techniques of management accounting.


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273	M.Com	Semester –I	101	Management Accounting	2. Develop competence with their usage in managerial decision making and control
274	M.Com	Semester –I	103	Advanced Accounting I	1.Understand foundation of Accounting and Accounting Standards.
275	M.Com	Semester –I	103	Advanced Accounting I	2. Solve problems relating to Company Accounts, Valuations and special types of situations.
276	M.Com	Semester –I	103	Advanced Accounting I	3. Familiarize the procedure, Practice and Regulation of Accountancy
277	M.Com	Semester –I	104	Income Tax II	1.Understand the provisions of Income - tax including Rules Pertaining there to, relating to the following topics.
278	M.Com	Semester –I	104	Income Tax II	2. Develop ability to calculate taxable Income of 'Individual', 'Hindu Undivided Family' and 'Firm' assesses.
279	M.Com	Semester –II	201	Financial Analysis and Control	1. Acquire sound knowledge of concepts, methods and techniques of management accounting
280	M.Com	Semester –II	201	Financial Analysis and Control	2. Develop competence with their usage in Managerial decision making and control.
281	M.Com		202	Industrial Economics	1. Understand the basic concepts of Industrial Economics.
282	M.Com	Semester –II	202	Industrial Economics	2. Understand the significance and problems of Industrialization.
283	M.Com	Semester –II	202	Industrial Economics	2. Understand the impact of Industrialization on Indian Economy.
284	M.Com	Semester –II	203	Specialized Areas In Accounting III	1.Develop competency of students to solve problems relating Special areas in accounting including accounting for Services Sector.
285	M.Com	Semester –II	203	Specialized Areas In Accounting III	2. Understand of Financial Reporting Practices.
286	M.Com	Semester –II	203	Specialized Areas In	3 .Familiarize with procedure of accounting for Taxation.
				Accounting III	


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287	M.Com	Semester –II	204	Business Tax assessment and Planning IV	1.Understand of Direct Taxes including Rules Pertaining there to and their application to different business situations.
288	M.Com	Semester –II	204	Business Tax assessment and Planning IV	2. Understand principles underlying the Service Tax.
289	M.Com	Semester –II	204	Business Tax assessment and Planning IV	3.Understand basic concepts of VAT, Excise Duty and Customs Duty
290	M.Com	Semester –III	301	Business Finance	1. Develop sound knowledge of concepts, nature and structure of business finance.
291	M.Com	Semester –III	302	Research Methodology for Business	1. Understand the areas of Business Research Activities.
292	M.Com	Semester –III	302	Research Methodology for Business	2. Enhance capabilities of students to conduct the research in the field of business and social sciences.
293	M.Com	Semester –III	302	Research Methodology for Business	3. Develop the most appropriate Methodology for their research studies.
294	M.Com	Semester –III	302	Research Methodology for Business	4.Familiar with the art of using different research Methods and techniques.
295	M.Com	Semester –III	303	Advanced Auditing V	1. Develop and understand methods of auditing and their application.
296	M.Com	Semester –III	304	Specialized Areas In Auditing VI	1. Develop and Understand methods of audit in Specialized areas.
297	M.Com	Semester –IV	401	Capital Market and Financial services	1. Acquire sound knowledge, concept and structure of capital market and financial services.
298	M.Com	Semester –IV	402	Industrial Economics Environment	1.Understand the basic concepts of Industrial Finance
299	M.Com	Semester –IV	402	Industrial Economics Environment	2. Understand the effects of New Economic Policy.
300	M.Com	Semester –IV	402	Industrial Economics Environment	3. Understand the impact of Labor reforms on Industries.


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301	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Get update with latest developments in the Subject
302	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcate the habit of referring to various periodicals and publications in the given subject, apart from text books and reference
303	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	3. Develop the ability to read, Understand, interpret and summarize various articles from newspapers, journals
304	M.Com	Semester –IV	102	Strategic Management	1: Understand strategic management in framing the policies and administration in adverse condition of the business.
305	M.Com	Semester –IV	103	Advanced accounting	1. Understand the procedure, Practice and Regulation of Accountancy
306	M.Com	Semester –IV	204	Business Tax assessment and planning	1: Understand Taxation procedure policies and regulations are important aspect in business which is core value of the subject.
307	M.Com	Semester –IV	301	Business Finance	1: Understand financial aspects of the Business.
308	M.Com	Semester –IV	202	Industrial Economics	1: Inculcate the Economical aspects related to industries
309	M.Com	Semester –IV	403	Recent Advances in Accounting, Taxation & Auditing.	1. Enable the latest advances in the field of Accounting.
310	M.Com	Semester –IV	401	Capital Market and Financial Services	1. Inculcate the knowledge of raising the capital.
311	M.Com	Semester –IV	404	Project Work	1. Develop analytical mind in the subject
312	BBA[C A]	Semester –I	CA-101	Business Communication	1. Understand the role the role of communication in personal and business world. 2. Understand system and communication and their utility 3. Build and maintain relationship facilitate decision making and promotes understanding among employee, customer, supplier.


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313	BBA[C A]	Semester –I	CA-102	Principles of Management	1. Examine how various management principles 2. Develop managerial skills among the students. 3. <u>Understand basic concept regarding org. Business Administration.</u>
314	BBA[C A]	Semester –I	CA-103	C Language	1. Learn Decision making, structure, Union & all basics of C programming language, 2. Explore algorithmic approaches to problem solving. 3. <u>Develop modular programs using control structures and arrays in ‘C’.</u>
315	BBA[C A]	Semester –I	CA-104	Database Management System	1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.
316	BBA[C A]	Semester –I	CA-105	Statistics	1. Understand role and importance of statistics in various business situations 2. Develop skills related with basic statistical technique 3. <u>Develop right understanding regarding regression, correlation and</u>
317	BBA[C A]	Semester –I	CA-106	Computer Laboratory Based on 103 & 104 (2 credits each)	Students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in ‘C’. 3 Create database tables in Oracles. 4 <u>Write and execute simple, nested queries. Guidelines</u>
318	BBA[C A]	Semester –I	CA-107	Add-On (PPA) (30 Hours)	1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays . 3. <u>Design and analysis of major classes of algorithm.</u>
319	BBA[C A]	Semester –II	CA-201	Organization Behavior & Human Resource Management	1. Understand basic concepts of OB and HRM. 2. Aware about traditional & modern methods of procurement & development in organization. 3. <u>Know the major trends in HRM & OB</u>


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320	BBA[C A]	Semester –II	CA- 202	Financial Accounting	1. Develop right understanding regarding role and importance of monetary and financial transactions in business 2. Cultivate right approach towards classifications of different transactions and their implications 3. Develop proficiency preparation of basic financial as to how to write <u>basic accounting statement - Trading and P&I</u>
321	BBA[C A]	Semester –II	CA- 203	Business Mathematics	1. Understand role and importance of Mathematics in various business situations and while developing softwares. 2. <u>Develop skills related with basic mathematical technique.</u>
322	BBA[C A]	Semester –II	CA- 204	Relational Database	1. Understand relational database concepts and transaction management concepts in database system. 2. Write PL/SQL programs that use: procedure, function, package, <u>cursor and trigger.</u>
323	BBA[C A]	Semester –II	CA- 205	Web Technology HTML-JS- CSS	1. Know & understand concepts of internet programming. 2. Understand how to develop web based applications using JavaScript.
324	BBA[C A]	Semester –II	CA-206	Computer Laboratory Based on 204 & 205(2 credits each)	Students will be able to : 1. Practical and Actual working of constructing programs is done by students.
325	BBA[C A]	Semester –II	CA_207	Add-On (Advance C) (30 Hours)	1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using <u>C.</u>
326	BBA[C A]	Semester –III	CA-301	Digital Marketing	1. Get knowledge about using digital marketing in and as business. 2. Make SWOT analysis, SEO optimization and use of various digital <u>marketing tools.</u>
327	BBA[C A]	Semester –III	CA-302	Data Structure	1. Understand the concepts of ADTs 2. Learn linear data structures – lists, stacks, and queues 3. Understand sorting, searching and hashing algorithms 4. <u>Apply Tree and Graph structures</u>


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328	BBA[C A]	Semester -III	CA-303	Software Engineering	1. Understand System concepts. 2. Understand Software Engineering concepts. 3. Understand the applications of Software Engineering concepts and <u>Design in Software development.</u>
329	BBA[C A]	Semester -III	CA-304	PHP	1. Understand how server-side programming works on the web. 2. Using PHP built-in functions and creating custom functions 3. Understanding POST and GET in form submission. 4. How to receive and process form submission data. 5. <u>Read and process data in a MySQL database.</u>
330	BBA[C A]	Semester -III	CA-305	Big data	1. Identify, develop and apply detailed analytical, creative, problem solving skills. 2. Provide the learner with a comprehensive platform for career development, innovation and further study. 3. <u>Develop expert knowledge and analytical skills in current and developing areas of analysis statistics and machine learning</u>
331	BBA[C A]	Semester -III	CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	Students will be able to : 1. <u>Get practical and Actual working of constructing programs.</u>
332	BBA[C A]	Semester -III	307 AECC	Environment Awareness	1. Get an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment 2. Develop conscious towards a cleaner and better <u>managed environment</u>
333	BBA[C A]	Semester -IV	CA-401	Networking	1. Gain knowledge about Computer Networks concepts. 2. Know about working of networking models, addresses, transmission medias and connectivity devices. 3. <u>Acquire information about network security and cryptography.</u>


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334	BBA[C A]	Semester -IV	CA- 402	Object Oriented Concepts Through CPP	1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. 2. Write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling
335	BBA[C A]	Semester -IV	CA- 403	Operating System	1. Know the services provided by Operating System 2. Know the scheduling concept 3. Understand design issues related to memory management and various related algorithms. 4. Understand design issues related to File management and various related algorithms
336	BBA[C A]	Semester -IV	CA- 404	Advance PHP	1. Know & understand concepts of internet programming. 2. Understand how server-side programming works on the web. 3. Understand How to use PHP Framework (Joomla / Drupale)
337	BBA[C A]	Semester -IV	CA- 405	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
338	BBA[C A]	Semester -IV	CA- 406	Computer Laboratory Based on 402,404 (2 credits each)	Students will be able to : 1. Get practical and Actual working of constructing programs.
339	BBA[C A]	Semester -IV	CA- 407	ADD-On (30 Hours) JQuery	1. Learn how to enhance their web application using the JQuery script library. 2. JQuery can enhance productivity. 3. Client side data binding techniques.


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340	BBA[C A]	Semester –V	CA- 501	Cyber Security	1. Have a good understanding of Cyber Security and the Tools. 2. Identify the different types of Cyber Crimes. 3. Have a good understanding of Cyber laws 4. Develop Cyber forensics awareness. 5. Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era
341	BBA[C A]	Semester –V	CA- 502	OOSE	1. Students will be able to give Design Specifications for Project. 2. Students will acquire Knowledge in Basic Modeling. 3. Students will acquire Project Management Skills.
342	BBA[C A]	Semester –V	CA-503	Core Java	1. Solve real world problems using OOP techniques. 2. Understand the use of abstract classes. 3. Solve problems using java collection framework and I/o classes. 4. Develop multithreaded applications with synchronization. 5. Develop applets for web applications. Able to design GUI based applications
343	BBA[C A]	Semester –V	CA-504	Python	1. Define and demonstrate the use of built-in data structures “lists” and “dictionary”. 2. Design and implement a program to solve a real world problem. 3. Design and implement GUI application and how to handle exceptions and files
344	BBA[C A]	Semester –V	CA-505	Project	Students will be able to : 1. Get detailed knowledge about SDLC ERD,DFD,Feasibility study, Designing Forms, Data Base
345	BBA[C A]	Semester –V	CA-506	Computer Laboratory Based on 503	Students will be able to : Get practical and Actual working of constructing programs.
346	BBA[C A]	Semester –V	CA_507	Add on Course-IOT(30 Hours)	Students will be able 1. Explain key technologies, smart objects, IoT Architecture and security in Internet of Things. 2. Illustrate the role of IoT protocols for efficient network communication.


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347	BBA[C A]	Semester -VI	CA- 601	Recent Trends in Information Technology(Tutorial/Assignm ent)	On completion of the course, student will be able 1. Discuss the basic concepts AI. 2. Apply basic, intermediate and advanced techniques to mine the data. 3. <u>Provide an overview of the concept of Spark programming.</u>
348	BBA[C A]	Semester -VI	CA- 602	Software Testing	1. Introduced to testing tools. 2. Acquire Knowledge of Basic SQA. 3. <u>Design basic Test Cases.</u>
349	BBA[C A]	Semester -VI	CA- 603	Advanced Java	1. Know the concepts of JDBC Programming. 2. Know the concepts of Multithreading and Socket Programming. 3. Know the concepts of Spring and Hibernate. 4. Develop the project by using JSP and JDBC. 5. <u>Develop applications in Spring and hibernate.</u>
350	BBA[C A]	Semester -VI	CA- 604	Dot Net framework	1. Use the features of Dot Net Framework along with the features of VB, C# and ASP 2. Design and develop window based and web based .NET applications. 3. Design and develop a Website. 4. Design and Implement database connectivity using ADO.NET for <u>VB, C# and ASP</u>
351	BBA[C A]	Semester -VI	CA-605	Project	Students will be able to : 1. Get detailed knowledge about SDLC <u>.ERD.DFD.Feasibility study, Designing Forms, Data Base</u>
352	BBA[C A]	Semester -VI	CA-606	Computer Laboratory Based on 603 and 604(2 credits each)	Students will be able to : 1. Get practical and Actual working of constructing programs.
353	BBA[C A]	Semester -VI	CA-607	Add on Course-Soft Skills Training	1. Participate to communicate effectively and to carry themselves confidently. 2. Learn how to identify and overcome the barriers <u>in interpersonal relationships.</u>
354	B.Sc(C S)	Semester -I	CS-111	Problem solving using Computer & C Programming	Students will be able to : 1. Explore algorithmic approaches to problem solving. 2. <u>Develop modular programs using control structures and arrays in</u>


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355	B.Sc(CS)	Semester –I	CS-112	Database Management system	student will be able to– 1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL
356	B.Sc(CS)	Semester –I	CS-113	Practical Course based on CS111 and CS112	students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in ‘C’. 3 Create database tables in PostgreSQL. 4 Write and execute simple, nested queries. Guidelines :
357	B.Sc(CS)	Semester –I	MTC-111	Matrix Algebra	student will be able to: 1) Understand translate a liner equation into a matix. 2) Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms.
358	B.Sc(CS)	Semester –I	MTC-112	Discrete Mathematics	student will be able to: 1) Solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y. 2) Develop an appreciation for the literature on the subject and be able to read and present results from the literature.
359	B.Sc(CS)	Semester –I	MTC-113	Mathematics Practical based on MTC-112 AND MTC 111	student will be able to: 1) Write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
360	B.Sc(CS)	Semester –I	ELC-111	Semiconductor Devices and Basic Electronic Systems	1. Study various types of semiconductor devices 2. Study elementary electronic circuits and systems
361	B.Sc(CS)	Semester –I	ELC-112	Principles of Digital Electronic	1. Get familiar with concepts of digital electronics 2. Learn number systems and their representation
362	B.Sc(CS)	Semester –I	ELC-113	Electronics Lab based on ELC-111 and ELC-112	1. Understand basic logic gates, Boolean algebra and K- maps 2. Study arithmetic circuits, combinational circuits and sequential circuits


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363	B.Sc(CS)	Semester –I	CSST-111	Descriptive Statistics	Student will be able to– 1) Tabulate and make frequency distribution of the given data. 2) Use various graphical and diagrammatic techniques and interpret.
364	B.Sc(CS)	Semester –I	CSST-112	Mathematical Statistics	Student will be able to– 1) Compute various measures of central tendency, dispersion, Skewness and kurtosis. 2) Fit the Binomial and Poisson distributions. 3) Compute the measures of attributes.
365	B.Sc(CS)	Semester –I	CSST-113	Statistics Practical based on CSST-111 and CSST-112	Student will be able to– 1) Collect data, its condensation and representation for real life data. 2) Study free statistical softwares and use them for data analysis in
366	B.Sc(CS)	Semester –II	CS-121	Advanced C-Programming	Student will be able to :- 1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
367	B.Sc(CS)	Semester –II	CS-122	RDBMS	Student will be able to– 1 Design E-R Model for given requirements and convert the same into database tables. 2 Use database techniques such as SQL & PL/SQL. 3 Explain transaction Management in relational database System. 4 Use advanced database Programming concepts
368	B.Sc(CS)	Semester –II	CS-123	Computer Science Lab Course based on 121 and 122	Students will be able to : 1 Write, debug and execute programs using advanced features in 'C'. 2 Use SQL & PL/SQL. 3 Perform advanced database operations


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369	B.Sc(CS)	Semester –II	MTC- 121	Linear Algebra	<p>A student will be able to:</p> <ol style="list-style-type: none"> 1. Solve systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion. 2. Carry out matrix operations, including inverses and determinants. 3. Demonstrate understanding of the concepts of vector space and subspace. 4. Demonstrate understanding of linear independence, span, and basis.
370	B.Sc(CS)	Semester –II	MTC- 122	Graph Theory	<ol style="list-style-type: none"> 1. Understand graphs, their properties and their applications as models of networks. 2. Represent almost any physical situation involving discrete objects and a relationship among them. 3. Generate functions and their applications
371	B.Sc(CS)	Semester –II	MTC- 123	Lab Course based on MTC- 121 and MTC 122	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Aware of history of mathematics and hence of its past, present and future role as part of our culture. 2. Gain confidence in proving theorems and solving problems. 3. Understand mathematical formulae or techniques in order to process the information and draw the relevant conclusion
372	B.Sc(CS)	Semester –II	ELC- 121	Instrumentation Systems	<ol style="list-style-type: none"> 1. Study Instrumentation System 2. Study various blocks of Instrumentation System 3. Study Smart Instrumentation System
373	B.Sc(CS)	Semester –II	ELC- 122	Basics of Computer Organization	<ol style="list-style-type: none"> 1. Get familiar digital sequential circuits 2. Study Basic computer Organization 3. Study Memory architecture


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374	B.Sc(CS)	Semester –II	ELC-123	Lab Course based on ELC-121 and ELC-122	1. Study Instrumentation System 2. Study various blocks of Instrumentation System 3. Study Smart Instrumentation System 4. Get familiar digital sequential circuits 5. Study Basic computer Organization 6. Study Memory architecture
375	B.Sc(CS)	Semester –II	CSST-121	Methods of Applied Statistics	Student will be able to :- 1 Understand various regression models and to find best fit. 2 Understand the Normal distribution.
376	B.Sc(CS)	Semester –II	CSST-122	Continuous Probability Dist. & Testing of hypothesis	Students will be able to 1) Understand the relationship between two variables using scatter plot. 2) Compute coefficient of correlation, coefficient of regression. 3) Understand the trend in time series and how to remove it.
377	B.Sc(CS)	Semester –II	CSST-123	Lab Course based on CSST- 121 and CSST-122	Student will be able to :- 1. Generate model sample from given distributions. 2. Understand the importance and functions of different statistical organizations in the development of nation.
378	B.Sc(CS)	Semester –III	CS-231	Data structures and Algorithms	1. Use well-organized data structures in solving various problems. 2. Differentiate the usage of various structures in problem solution. 3. Implement algorithms to solve problems using appropriate data
379	B.Sc(CS)	Semester –III	CS-232	software Engineering	1. Compare and chose a process model for a software project development. 2. Identify requirements analyze and prepare models. 3. Prepare the SRS, Design document, Project plan of a given software system


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380	B.Sc(CS)	Semester -III	CS-233	Practical Course based on CS 232 and CS 233	The students will be able to: 1. Understand practical and Actual working of constructing data structure programs. 2. Work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, and the final reporting
381	B.Sc(CS)	Semester -III	MTC-231	Groups & Coding Theory	1. Study of algorithms, theoretical as well as for concrete calculations, for computing with groups.
382	B.Sc(CS)	Semester -III	MTC-232	Numerical Techniques	1. Get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
383	B.Sc(CS)	Semester -III	MTC-233	Mathematics Practical : Python Programming Language	1. Expose to global and local concerns that explore them many aspects of Mathematical Sciences.
384	B.Sc(CS)	Semester -III	ELC-231	Micro Controller Architecture & Programming	The student will be able to: 1. Write programs for 8051 microcontroller 2. Interface I/O peripherals to 8051 microcontroller 3. Design small microcontroller based projects
385	B.Sc(CS)	Semester -III	ELC-232	Digital Communication & Networking	The student will be able to: 1. Define and explain terminologies of data communication 2. Understand the impact and limitations of various digital modulation techniques 3. Understand the need of spread spectrum schemes. 4. Identify functions of data link layer and network layer while accessing communication link 5. Choose appropriate and advanced techniques to build the computer network


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386	B.Sc(CS)	Semester -III	ELC-233	Electronics Lab Practical Course (ELC-233)	The student will be able to: 1. Design and build his/her own microcontroller based projects. 2. Acquire skills of Embedded C programming 3. Know multiplexing and modulation techniques useful in developing wireless application 4. Build and test own network and do settings
387	B.Sc(CS)	Semester -III	AECC-I	Environment Awareness-I	The students will be able to: 1.Master core concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions. 2.Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems. 3.Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales. 4.Apply systems concepts and methodologies to analyze and understand interaction between social
388	B.Sc(CS)	Semester -III	AECC-II	Language Communication-I	The students will be able to: 1. Understand correct usage of English grammar in writing and speaking. 2. Improve their speaking ability in English both in terms of fluency and comprehensibility. 3 Give oral presentations and receive feedback on their performance
389	B.Sc(C S)	Semester -IV	CS- 241	Data Structures & Algorithms I	The students will be able to: 1. Implement different data structures efficiently 2. Use well-organized data structures to handle large amount of data 3. Use appropriate data structures for problem solving


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390	B.Sc(CS)	Semester -IV	CS-242	Computer Network-I	The students will be able to: 1. Understand of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers. 2. Understand the working of various protocols. 3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
	B.Sc(CS)	Semester -IV	CS-243	Practical Course based on CS 241 and CS 242	The students will be able to: 1. Get practical and Actual working of constructing data structure programs
391	B.Sc(CS)	Semester -IV	ELC-241	Embedded System Design	On completion of the course, student will be able to 1. Understand the difference between general computing and the Embedded systems. 2. Know the fundamentals of embedded systems. 3. Understand the use of Single board Computer (Such as Raspberry Pi) for an embedded system application. 4. Familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices. 5. Develop familiarity with tools used to develop in an embedded
392	B.Sc(CS)	Semester -IV	ELC-242	Wireless Comm. & Internet of Things	The students will be able to 1. Know working of wireless technologies such as Mobile communication, GSM, GPRS 2. Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. 3. Understand working principles of short range communication application 4. Get introduce to upcoming technology of Internet of Things


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	B.Sc(CS)	Semester -IV	ELC-243	Practical Course based on and ELC-241 AND ELC- 242	The students will be able to 1. Design and develop own smart applications using Rasberry-Pi 2. Write Python program for simple applications 3. <u>Build own IoT based system</u>
	B.Sc(CS)	Semester -IV	MTC-241	Computational Geometry	The students will be able to: 1. Apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the <u>information and draw</u>
393	B.Sc(CS)	Semester -IV	MTC-242	Operation Research	The students will be able to: 1. Aware of history of mathematics <u>and hence of its past, present and future role as part of our culture.</u>
394	B.Sc(CS)	Semester -IV	MTC-243	Practical Course based on MTC- 241 and MTC-242	The students will be able to: 1. Apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the <u>information and draw</u>
395	B.Sc(CS)	Semester -IV	AECC-I	Environmental Awareness-II	The students will be able to: 1. Develop critical-thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable <u>solutions for local and global communities.</u>
396	B.Sc(CS)	Semester -IV	AECC-II	Language Communication –II	The students will be able to: 1. Improve their reading fluency skills through extensive reading 2. Enlarge their vocabulary by keeping a vocabulary journal 3. Write academic papers, essays and summaries using the <u>process approach.</u>


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397	B.Sc(CS)	Semester –V	CS-351	Operating Systems – I	The students will be able to: 1. Processes and Thread Scheduling by operating system 2. Synchronization in process and threads by operating system 3. Memory management by operating system using with the help of various schemes
398	B.Sc(CS)	Semester –V	CS-352	Computer Networks – II	The students will be able to: 1. Understand the different protocols of Application layer. 2. Develop technical aspect of Multimedia Systems 3. Develop various Multimedia Systems applicable in real time. 4. Identify information security goals. 5. Understand, compare and apply cryptographic techniques for data security
399	B.Sc(CS)	Semester –V	CS-357	Practical course based on CS 35	The students will be able to: 1. Understand the concept of process scheduling with the help of simulation. 2. Study the concept demand paging concepts in operating system.
400	B.Sc(CS)	Semester –V	CS-353	Web Technologies – I	The students will be able to: 1. Design dynamic and interactive Web pages. 2. Learn Core-PHP, Server Side Scripting Language 3. Learn PHP-Database handling
401	B.Sc(CS)	Semester –V	CS-354	Foundations of Data Science	The students will be able to: 1. Perform Exploratory Data Analysis 2. Obtain, clean/process, and transform data. 3. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 4. Demonstrate proficiency with statistical analysis of data. 5. Present results using data visualization techniques. 6. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.


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402	B.Sc(CS)	Semester –V	CS-358	Practical course based on CS 353 and CS 354	The students will be able to: 1.Design dynamic and interactive Web pages. 2.Learn Core-PHP, Server Side Scripting Language 3.Learn PHP-Database handling 4.Apply statistical, data preprocessing and visualization techniques on data sets
403	B.Sc(CS)	Semester –V	CS-355	Object Oriented Programming using Java-I	The students will be able to: 1.Learn Object Oriented Programming language 2. Study various java programming concept like Interface, File and Exception Handling etc. 3.Design User Interface using Swing and AWT
404	B.Sc(CS)	Semester –V	CS-356	Theoretical Computer Science	The students will be able to: 1.Understand the use of automata during language design. 2.Relate various automata and Languages.
405	B.Sc(CS)	Semester –V	CS-359	Practical Course based on CS 3	The students will be able to: 1. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems. 3. Validate input in a Java program
406	B.Sc(CS)	Semester –V	CS-3510	Python Programming	The students will be able to: 1. Introduce programming concepts using python 2. Develop Programming logic using python 3. Develop basic concepts and terminology of python programming 4. Test and execute python programs


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407	B.Sc(CS)	Semester –V	CS-3511	Blockchain Technology	The students will be able to: 1. Understand what and why of blockchain technology. 2. Explore major components of blockchain. 3. Learn about Bitcoin, Cryptocurrency and Ethereum. 4. Learn blockchain programming using Python, Flask Web Framework, and HTTP client Postman
408	B.Sc(C S)	Semester –VI	CS- 361	Operating Systems – II	The students will be able to: 1. Understand the issue of Deadlocks in Process management. 2. Understand the concept of File system management & disk scheduling 3. Study the concept of distributed and mobile operating
409	B.Sc(CS)	Semester –VI	CS-362	Software Testing	The students will be able to: 1. Understand various software testing methods and strategies. 2. Understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software 3. Design test cases and test plans, review reports of testing for qualitative Software
410	B.Sc(CS)	Semester –VI	CS-367	Practical course based on CS 36	The students will be able to: 1. Understand Management of deadlocks by operating system, File System management, Disk space management and scheduling for processes
411	B.Sc(CS)	Semester –VI	CS-363	Web Technologies – II	The students will be able to: 1. Learn different technologies used at client Side Scripting Language and XML and XML parsers. 2. PHP framework for effective design of web pages. 3. Learn Java Script to program the behavior of web pages. 4. Learn AJAX to make our application more dynamic


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412	B.Sc(CS)	Semester -VI	CS-364	Data Analytics	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Use appropriate models of analysis, assess the quality of input, and derive insight from results. 2. Analyze data, choose relevant models and algorithms for respective applications 3. Understand different data mining techniques like classification, prediction, clustering and association rule mining 4. Apply modeling and data analysis techniques to the solution of real world business
413	B.Sc(CS)	Semester -VI	CS-368	Practical course based on CS 36	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Build dynamic website. 2. Use MVC based framework easy to design and handling the errors in <u>dynamic website</u>.
414	B.Sc(CS)	Semester -VI	CS-365	Object Oriented Programming	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Learn database programming using Java 2. Study web development concept using Servlet and JSP 3. Develop a <u>game application using multithreading</u> 4. <u>Learn socket programming</u>
415	B.Sc(CS)	Semester -VI	CS-366	Compiler Construction	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the process of scanning and parsing of source code. 2. Learn the conversion code written in source language to <u>machine language</u>. 3. <u>Understand tools like LEX and YACC</u>
416	B.Sc(CS)	Semester -VI	CS-369	Practical Course based on CS 3	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Learn database Programming using Java 2. Understand and create dynamic web pages using Servlets and JSP. 3. Work with basics of framework to develop secure web <u>applications</u>


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417	B.Sc(CS)	Semester -VI	CS- 3610	Software Testing Tools	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Understand various software testing methods and strategies. 2. Understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 3. Design test cases and test plans, review reports of testing for qualitative software. 4. Understand latest testing tools used in the software industries.
418	B.Sc(CS)	Semester -VI	CS- 3611	Project	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Work independently throughout the project work including: problem identification, information searching, literature study, design and analysis.
	B. Sc.		MB- 351	Medical Microbiology- I	<p>The students will be able to:</p> <p>Learn about different bacterial pathogens, epidemiology, and diseases of human body systems.</p>
	B. Sc.		MB- 352	Immunology – I	<p>The students will be able to:</p> <p>Learn all the basic concepts about immunity, blood cell formation, and different organs in immunity. They gain knowledge of 3 lines of body's defence. They thoroughly understand about Antigens and Antibodies; They gain knowledge about Cell Mediated Immune Response</p>
421	B. Sc.		MB-353	Enzymology	<p>The students will be able to:</p> <p>Understand about enzymes, enzyme assays, they gain knowledge about methods of purification of enzymes, Students studies about enzyme kinetics and calculate V_{max}, K_m, K_{cat} values, They are able to tell different methods of enzyme immobilization</p>


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422	B.SC		MB- 354	Genetics	The students will be able to: Get knowledge of Gene Linkage and crossing over, DNA Replication, Prokaryotic and Eukaryotic Transcription and Translation, Techniques used in recombinant DNA technology.
423	B.SC		MB- 355	Fermentation Technology – I	The students will be able to: Learn about objectives and applications of industrial fermentation process, They learn basic steps like Media optimization, Sterilization, Scale-up and Scale-down. Students learn about economics of fermentation. test of OA and OC.
424	B.SC		MB-356	Agriculture Microbiology	The students will be able to: Learn about objectives and applications of Agriculture microbiology. They learn about role of soil micro-organisms in agriculture. Students gain knowledge of Agriculture Technology
425	B.SC		MB- 3511	Dairy Microbiology	The students will be able to: learn about dairy developments in India. Understand milk chemistry and microbiology, learn about spoilage of milk and milk preservation methods, milk born infections. Student come to know about techniques of Pasteurization and milk analysis
	B.SC		MB-3510	Marine microbiology	Get awareness of unseen and unexplored niche of marine ecosystem of microbes. Acquire advances in the knowledge of marine microbes and marine ecology. Learn the field research on marine processes and laboratory research on microorganisms. To comprehend the role of marine microbes in bioremediation and bioprospecting. Avail career opportunities in marine education, industry and research


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427	BS.C		MB- 357	Practical course – I Based on MB- 351 MB- 352	The students will be able to: 1. Isolate and identify pathogens from clinical samples. 2. Perform hematology and hemogram analysis. Perform epidemiological surveys.
428	BS.C		MB- 358	Practical course – II Based on MB-353 MB-354	The students will be able to: 1. Learn clinical biochemistry experiments. 2. Analyze proteins and carbohydrates qualitatively 3. Make buffers, study enzyme kinetics and calculate Vmax, Km, Kcat values. 4. Make buffers, isolate genomic DNA, Plasmid DNA, could perform gelelectrophoresis.
429	BS.C		MB- 359	Practical course - III Based on MB- 355 MB- 356	The students will be able to: 1. Perform biochemical assays for vitamin and antibiotic, 2. Cultivate lactic acid bacteria, Bio- inoculants, Pesticide degrader. 3. Learn different milk test. 4. Synthesize nanoparticles.
430	B.SC		MB- 361	Medical Microbiology – II	The students will be able to: learn about chemotherapy, antibiotic resistance, and viral, fungal and protozoan pathogens.
431	B.SC		MB- 362	Immunology-II	The students will be able to: learn about Humoral immune response ,Cell mediated
					immune response ,Hypersensitivity ,Autoimmunity , Autoimmune disease, Immunodeficiency
432	B.SC		MB- 363	Metabolism	The students will be able to: Learn about Membrane transport mechanisms, Bioenergetics and laws of thermodynamics, understand Biosynthesis and Degradation of macromolecules. Understand photosynthesis process in bacteria.


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433	B.SC		MB- 364	Molecular Biology	The students will be able to: Get knowledge of methods of gene transfer by transformation, transduction and conjugation. Understand how to generate rDNA molecule, They can learn about important tools <u>used in rDNA technology</u>
434	B.SC		MB- 365	Fermentation Technology - II	The students will be able to: Learn about commercial scale productions of various products like: Primary Metabolites, Secondary metabolites, Enzymes, Biomass based products, Vaccines, Immune sera, Student can able to distinguish <u>between Solid</u>
435	B.SC		MB- 366	Food Microbiology	The students will be able to: Describe food safety problems and solutions in India and global scale. Identify and classify types of microorganisms in food processing and compare their Characteristics and behavior to learn food classification based on their perishability, intrinsic and extrinsic factors affecting the growth of microbes in foods, role of microorganisms in <u>food fermentation</u>
436	B.SC		MB-3610	Waste management	The students will be able to: Understand waste management and its practicable applicability. Assess the magnitude and influence of hazardous content of <u>waste, pollution of waters and waste water treatment technologies.</u>
					Learn the design and working of treatment plants and methods used for liquid and solid waste treatment.


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	B.SC		MB-3611	Nano-biotechnology	The students will be able to: Understand design, development and application of Nanomaterials and their application in, nano devices.To learn fundamentals of nanotechnology as to Synthesis and characterization techniques of nanoparticles. Acquire knowledge of applications of nano-materials in different disciplines of human life. Compare the merits of using nanotechnology with existing technologies
438	B.SC		MB-367	Practical course I Based on Diagnostic Microbiology and Immunology	The students will be able to: Study about microbial pathogens by using permanent slides. Isolation of yeast/Fungal pathogen,Antibiotic sensitivity testing of the bacterial pathogens :The qualitative diagnosis of Plasmodium spps ., Demonstrations of: Serum protein separation by electrophoresis , ELISA (Antigen/ Antibody detection) Egg inoculation technique
439	B.SC		MB 368	Practical Course – II Based on Metabolism and Molecular Biology	The students will be able to: Obtain knowledge about clinical biochemistry experiments along with enzyme production, purification quantification, immobilization Bacteriophage .
440	B.SC		MB 369	Practical Course-III Based on Fermentation Technology- II and Food Microbiology	The students will be able to: Know about fermentation at laboratory level. Solid state fermentation , Probiotic micro flora , Aflatoxin , TDP and TDT value , Determination of TDR and D Value HACCP guidelines for food industry
441	M.Sc	Semester –I	MB 501	Microbial systematics	The students will be able to: Get idea about microbial classification.
442	M.Sc	Semester –I	Mb 502	Quantitative biology	The students will be able to: Get knowledge about quantitative analysis of the survey. report and the data collected, comparative account of the data.


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443	M.Sc	Semester –I	MB 503	Biochemistry and Metabolism	The students will be able to: Understand Metabolism of proteins , lipids and carbohydrates. Catabolism and anabolism of all the three biomolecules
444	M.Sc	Semester –I	MBTE 11	Fungal systematics and Extr	The students will be able to: Get Knowledge about fungal classification. As well as idea about the extreme conditions like temp , pH ,moisture where the microorganisms can grow.
445	M.Sc	Semester –I	MBPE11	Practical based on Fungal sy	The students will be able to: Understand Specific media for the growth of Fungi, and extremophiles. Focussing the keys of the isolation and identification of fungi and extremophiles
446	M.Sc	Semester –I	MBCP 1	Biochemical techniques (Practical based on Complusory theory credits)	The students will be able to: Do practical based on Buffer preparation, Role of buffer in media preparation, Different techniques like U.V. Spectrophotometry, electrophoresis, chromatographetc.
447	M.Sc	Semester –II	MB 601	Instrumentation and biophys	The students will be able to: Understand principle and techniques like different types of chromatography, Electrophoresis, HPLC,Colorimetry ,U. V. Spectrometry etc.
448	M.Sc	Semester –II	Mb 602	Molecular Biology	The students will be able to: Understand methods of transcription and translations in prokaryotes and eukaryotes etc. Cell division and cell cycle controlby CDK Cyclins etc'


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449	M.Sc	Semester –II	MB 603	Enzymology ,Bioenergetics and Metabolism	The students will be able to: Understand Thermodynamics, Enzymes classification, Isolation and purification methods along with that specific activity, enzyme activity calculations. Study of intermittent metabolic products produced during metabolism
450	M.Sc	Semester –II	MBTE 23	Nitrogen metabolism , respiration and photosynthesis	The students will be able to: Study in detail about Nitrogen cycle, isolation and identification of Nitrogen fixing and nitrogen nonfixing bacteria. Along with that photosynthesis mechanism in different types of plants, C3 and C4 pathways, CAM pathways etc
451	M.Sc	Semester –II	MBPE23	Practical based on Nitrogen metabolism , respiration and photosynthesis	The students will be able to: Do preparation of selective media for the isolation and identification of symbiotic and nonsymbiotic bacteria . their confirmation. cell division steps etc.
452	M.Sc	Semester –II	MBCP 2	Molecular biology, Enzymology and instrumentation techniques (Practical based on Complusory theory credits)	The students will be able to: Do practicals related to plasmid DNA extraction, Genomic DNA extraction, Transformation, Plasmid curing , Restriction endonuclease. Calculate enzyme activity and specific activity of an enzyme, their purification methods.
453	M.Sc	Semester –III	MB 701	Immunology	The students will be able to: Get knowledge about Immune system mechanism, how the immune system acts against tumor and cancer cell,what are biological response modifiers.etc


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454	M.Sc	Semester –III	Mb 702	Molecular Biology	The students will be able to: Understand Genetics behind cancer and Tumours . Various test to check the gene sequences, hereditary transferring diseases etc. , Chromosomal aberrations.
455	M.Sc	Semester –III	MB 703	Clinical Microbiology	The students will be able to: Know Different types of diseases caused by bacteria, fungi, viruses, their habitat, multiplication rate , symptoms, Laboratory diagnosis, antibiotic sensitivity testing and prophylaxis etc.
456	M.Sc	Semester –III	MBTE 31	Cell culture techniques	The students will be able to: Understand what are cell line , continues cell lines, cell cultures specificities of different cell lines meaning of Established cell line, suspension culture. And their use for identification of specific cancer.
457	M.Sc	Semester –III	MBPE 31	Practical based on cell culture technique	The students will be able to: Know specific media for the preparation cell line and cell culture, role of each and every content in the medium
458	M.Sc	Semester –III	MBCP 3	(Practical based on Compulsory theory credits)	Identify isolation of various pathogenic organism. Precipitation and agglutination. Qualitative and quantitative analysis of Antigen and Antibody etc.
459	M.Sc	Semester –IV	MB 801	Pharmaceutical Microbiology	The students will be able to: Understand What are anti-infective their mode of action, method to check susceptibility and resistance. Meaning of MIC , MBC . NCCS Norms in pharmacy, CLSI guidelines etc..
460	M.Sc	Semester –IV	Mb 802	Microbiology technology	The students will be able to: Use different methods in fermentation industry- Batch fermentation, Continuous fermentation. Fed batch fermentation. Important parts used in fermenter.


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461	M.Sc	Semester –IV	MBTE 41	Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	The students will be able to: Understand the role of quality department in pharmaceutical industry , Meaning of calibration and Validation of specific instrument. What is Standard Operating System
462	M.Sc	Semester –IV	MBPE41	Practical based on Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	The students will be able to: Use S.O.P. methods of various instruments like incubator , Hot air oven ,Autoclave. Calculate MIC and MBC value of specific anti-infective. Antibiotic susceptibility testing. Reasons For antibiotic resist stance.
463	M.Sc	Semester –IV	MBTE 42	Advances in Microbial techn	The students will be able to: Do testing of MIC and MBC , use different methods to check antibiotic resistance, Buffer preparation, Media preparation, preparation of dilution scheme according to CLSI guidelines etc.
464	M.Sc	Semester –IV	MBCP 4	Dissertation	The students will be able to: Do research project ,get the knowledge about proper research paper ,related topic, apply statistical analysis by ANNOVA or T test. prepare final thesis etc.


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