2.6.1 :- All Program outcomes(PO)

Program No.	Program	Program outcomes	Subjects	Year
1	B.A.	1: Understand economics concepts and problems of economics, demand and supply law its variations.	B.A - Economics	2020-21
		2 Knowledge of population demographic theory, poverty and unemployment and its measures of eradications.	B.A - Economics	2020-21
		3 understanding price determinations under various market structures.	B.A - Economics	2020-21
		4: Understand factors of production determinants.	B.A - Economics	2020-21
		5 knowledge of national income accounting, inflation measures.	B.A - Economics	2020-21
		6 Understand present economic profile as an emerging economy.	B.A - Economics	2020-21
		7 knowledge of international financial intuitions functioning, its achievement and current status.	B.A - Economics	2020-21
		8 Knowledge of theories of development and growth, macro economics policy its implantations.	B.A - Economics	2020-21
		1. Develop linguistic competence,	B.A.(English)	2020-21
		2 Knowledge of Various Genres of Literature	B.A.(English)	2020-21
		3. knowledge of Linguistics and Phonetics to enhance Communication Skills	B.A.(English)	2020-21
		4 Critical Analysis of literary Works	B.A.(English)	2020-21
		5.Develop writing skills in English	B.A.(English)	2020-21
		1. Enable students to gain knowledge for Courses of Travel and Tourism, Surveyor, Geo-informatics, MSW. , GPS,GIS & RS etc.	B.A.(Geography)	2020-21

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

2. Students can gain knowledge and get success in UPSC and MPSC competitive exams.	B.A.(Geography)	2020-21
3.Students are enabled to conduct socio-economic Survey with appropriate Methods and explain it with GIS & RS.	B.A.(Geography)	2020-21
4. Students are able to read & explain Toposheets & IMD Weather Map.	B.A.(Geography)	2020-21
5. Develop competence to find causes, study the consequences and giving suggestions for Disaster Management and can actively participate where ever applicable.	B.A.(Geography)	2020-21
6. Gain knowledge and guide about different tourist places with geographical, Historical, Spiritual as well as aesthetic angle. tourist places.	B.A.(Geography)	2020-21
8. Students can understand & explain the situation of Physio-Socio-Economic aspects of India.	B.A.(Geography)	2020-21
9. Student can understand the Natural & Manmade Resources and its importance for life.	B.A.(Geography)	2020-21
10. Students can aware and Practice advanced and scientific agricultural methods in their Personal perspective.	B.A.(Geography)	2020-21
11. Understand the concept of trade, environment ,argiculture,population	B.A.(Geography)	2020-21
12. Students can Understand and explain about the Origin and landforms on the earth.	B.A.(Geography)	2020-21
1 Development of citizenship	B.A. (politics)	2020-21
2.Constitutional awareness	B.A. (politics)	2020-21
3. Develop ideological base	B.A. (politics)	2020-21

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

		4.Develop International perspective	B.A. (politics)	2020-21
		1 Awareness of linguistic skills	B.A (Marathi)	2020-21
		2. Develop Literary Skills	B.A (Marathi)	2020-21
		3. Use of Marathi in Practical life as a language of communication	B.A (Marathi)	2020-21
		4. Exposure to different genres of Marathi Literature	B.A (Marathi)	2020-21
		5. Develop Critical abilities to understand the subltleties of language	B.A (Marathi)	2020-21
		6. Understand the scope and use of Marathi in Media, Newspapers and other Arts	B.A (Marathi)	2020-21
2	**B.Com**	1:Understand banks and its fuctions.	B. Com. (Banking & Economics)	2020-21
		2: Awareness about new technology implementation in banking sector.	B. Com. (Banking & Economics)	2020-21
		3: Gain knowledge about financial markets its fuctions, SBI role and controls.	B. Com. (Banking & Economics)	2020-21
		4: students understand money and capital market, foreign exchange markets its workings.	B. Com. (Banking & Economics)	2020-21
		5: Students get knowledge about financial investment intuition especially in India.	B. Com. (Banking & Economics)	2020-21
		6: Understand banking regulation Act provisions and new amendments.	B. Com. (Banking & Economics)	2020-21

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

7: Students learn loan recovery methods of loan by bank.	B. Com. (Banking & Economics)	2020-21
8: Student get an idea about current scenario of Indian banking system.	B. Com. (Banking & Economics)	2020-21
9 : Student know the economic concepts, demand and supply variations, objectives of firms, demand forecasting, etc.	B. Com. (Banking & Economics)	2020-21
10: knowledge about cost and its effects on any firm, industry and trade.	B. Com. (Banking & Economics)	2020-21
11: Student learn price determinations under various market structures.	B. Com. (Banking & Economics)	2020-21
12: information on how factor of production determines	B. Com. (Banking & Economics)	2020-21
13: Student understand national income accounting, inflation measures.	B. Com. (Banking & Economics)	2020-21
14: Student get knowledge on today's profile as an emerging economy.	B. Com. (Banking & Economics)	2020-21
15: Student understand today's foreign trade and balance payment scenario.	B. Com. (Banking & Economics)	2020-21
16: Student understand international financial intuitions functioning, its achievement and current status.	B. Com. (Banking & Economics)	2020-21
1 : The Students are equipped with the knowledge of accountancy after completing their graduation.	B.COM(commerce)	2020-21
2:Competence of the knowledge of income tax and other such lawas related to business trade and commerce.	B.COM(commerce)	2020-21
3: Knowledge of the market position and modern communciation skills for success in the business.	B.COM(commerce)	2020-21
4: Anaysis by using mathematical and stastical tools, to undertake research in trade and commerce.	B.COM(commerce)	2020-21

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

		5: Knowledge of various managerial aspects.	B.COM(commerce)	2020-21
		6: To enhance communicative skills	B.COM(commerce)	2020-21
		7: Development of business skills and entrepreneurship	B.COM(commerce)	2020-21
		8:Knowledge of banking rules regulation laws and practices.	B.COM(commerce)	2020-21
		9 : Understanding of the Theory and Practice of Economics and knowledge of the consequences of Economical changes.	B.COM(commerce)	2020-21
		10- Achieve professional success thruogh communication skills	B.COM(commerce)	2020-21
3	**B.Sc. (Comp.)**	1.Theoretical and Practical skills of Computer Science	B.C.S.	2020-21
		2. Ability to apply knowledge of computing and mathematics appropriately	B.C.S.	2020-21
		3. Competence to identify formulate and develop solutions to computational challenges.	B.C.S.	2020-21
		4. Ability to design implement and evaluate computational system to meet desired results	B.C.S.	2020-21
		5. Abillity to use appropriate technology skills and tools necessary for computing practice	B.C.S.	2020-21
		6.Application of knowledge of computing and statistics appropriately	B.C.S.	2020-21
4	**B.C.A.**	1.Impart knowledge required for planning, designing and building Complex Application Software Systems	B.C.A.	2020-21
		2.Provide sound academic base from which an advanced career in Computer Applications can be developed.	B.C.A.	2020-21
		3.Develop practical skills to address problems in computer systems and applications.	B.C.A.	2020-21

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

		4.Produce knowledgeable and skilled human resources which is employable in IT	B.C.A.	2020-21
		5.Develop practical skills to address problems in computer systems and applications.	B.C.A.	2020-21
		6.Teaches professional competence in developing software and in its design and implementation.	B.C.A.	2020-21
		7.Provide basic statistical knowledge required for computer applications	B.C.A.	2020-21
		8.Provide sound academic base from which an advanced career in Computer Applications can be developed	BBA[CA]	2020-21
		9.Conceptual grounding in computer usage as well as its practical business application will be provided making candidates suitable for IT sector entry level jobs	BBA[CA]	2020-21
		10.Develop students to become globally competent.	BBA[CA]	2020-21
		11.Provides practical skills to address problems in computer systems and applications.	BBA[CA]	2020-21
		12.Provide basic statistical knowledge required for computer applications	BBA[CA]	2020-21
5	**B.Sc. (Micro)**	1. The aim is to provide students with a solid foundation in the physiology, genetics, biochemistry, medical microbiology and agricultural microbiology of bacteria and viruses and an	B.Sc.(Microbiology)	2020-21
		2. The programme has a strong practical emphasis, providing students with the basic laboratory skills required for a career in either applied or research microbiology	B.Sc.(Microbiology)	2020-21
		3. Deepens the student's understanding of how viruses and bacteria survive, multiply, interact with their environment and cause disease through core studies on their structure,	B.Sc.(Microbiology)	2020-21
		4.To provide the appropriate environment to encourage the development of the students interest in general microbiology and to help them acquire appropriate	B.Sc.(Microbiology)	2020-21
		Develop advanced practical skills relevant to microbiology	B.Sc.(Microbiology)	2020-21

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

		6. An understanding of laboratory based investigations in microbiology applicable to studying microbial involvement in health, and disease	B.Sc.(Microbiology)	2020-21
		7. To increase the employability of students in various industries like food industry, pharmaceutical and agriculture based industry.	B.Sc.(Microbiology)	2020-21
		8. To increase the knowledge reagarding morphological & anatomical structure of plants	B.Sc.(Microbiology)	2020-21
		9.To increase the knowledge of classification system of plants according to various scientists	B.Sc.(Microbiology)	2020-21
		develop the practical skills relevant to botany	B.Sc.(Microbiology)	2020-21
6	**M.Com.**	1 :Knowledge of the advances in accountancy especially in the area of corporate and service sector.	M.COM(commerce)	2020-21
		2: To make the students acquiented with the various managerail concepts including strategic management useful for succcess in business.	M.COM(commerce)	2020-21
		3. Knowledge of the research methology in order to conduct in depth study of the subjects related to trade, commerce and Industry.	M.COM(commerce)	2020-21
		4.Exposure to current problems in busienss enviornment.So cyber law study and human rights are included as part of curriulum.	M.COM(commerce)	2020-21
		5. application of the current knowledge related to income tax including excie duty, service tax, GST and vat	M.COM(commerce)	2020-21
		6. Knowledge of the capital market	M.COM(commerce)	2020-21
		7. Ability to verify the methods of raising the finance its adverse and favourable effects.	M.COM(commerce)	2020-21

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

7	**M.Sc. (Micro)**	1. Provide students with sufficiently 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	M.Sc.(Microbiology)	2020-21
		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	M.Sc.(Microbiology)	2020-21
		3. To communicate ideas, principles and theories effectively by oral, written and visual means	M.Sc.(Microbiology)	2020-21
		4. Apply basic statistical and numerical skills to microbiological data. Use Information Technology e.g. Internet, Virtual Learning Resources, word processors and	M.Sc.(Microbiology)	2020-21
		5. Work effectively and independently on a given project or task. Work effectively in small groups and teams towards a common Goal/outcome	M.Sc.(Microbiology)	2020-21
		6. Students will acquire a number of transferable skills, including: design and execution of experiments (including working in a team); accessing information; interpretation of	M.Sc.(Microbiology)	2020-21
		7. The final year aims to bring the student's understanding to the forefront of selected areas of microbial research, through lectures, directed studies and presentations as well as a lab-	M.Sc.(Microbiology)	2020-21
		8. Increase the confidence level of students and make them a socially responsible person	M.Sc.(Microbiology)	2020-21
		9.Get knowledge of fermentation process, design of bioreactor & its working	M.Sc.(Microbiology)	2020-21
		10. Get knowlege of species & species evolution	M.Sc.(Microbiology)	2020-21
		11.Study how to cultivate unculturable using various molecular methods & bioinformatics	M.Sc.(Microbiology)	2020-21

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

		12. Get knowlege of gene sequencing	M.Sc.(Microbiology)	2020-21
		13. Study various statistical methods under quantitative biology	M.Sc.(Microbiology)	2020-21
		14. Study cell organization & biochemistry	M.Sc.(Microbiology)	2020-21
		15. Get knowledge of instumentation & molecular physics	M.Sc.(Microbiology)	2020-21
		16.Study microbial metabolism & bioenergetics	M.Sc.(Microbiology)	2020-21
		17. Get practical knowledge of enzymology & microbial metabolism	M.Sc.(Microbiology)	2020-21
		18. Get knowledge of pharmaceutical & medical microbiology	M.Sc.(Microbiology)	2020-21
		19. Get knowlege of molecular biology	M.Sc.(Microbiology)	2020-21
		20. Get knowlege of microbial technology	M.Sc.(Microbiology)	2020-21

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

2.6.1 :- Courses outcomes for All Courses

Id	Program	Sem	CourseCode	CourseName	Courses outcomes
1	B.Com	Semester –I	111	Compulsary English-I	1.Students got good pieces of prose and poetry so that they realize the beauty and communicative power of English.
2	B.Com	Semester –I	111	Compulsary English-I	2.Students got 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	1. To impart knowledge of basic accounting concepts
4	B.Com	Semester –I	112	Financial Accounting- I	2. To create awareness about application of these concepts in business world
5	B.Com	Semester –I	113	Business Economics (Micro) - I	1. To impart knowledge of business economics
6	B.Com	Semester –I	113	Business Economics (Micro) - I	2. To understand basic theories, concepts of micro economics and their application
7	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	1. To familiar the students with applications of Statistics and Mathematics in Business

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

8	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	2. The main outcome of this course is that the students are able to analyze the data by using some elementary statistical methods
9	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	1. To provide knowledge of fundamentals of Banking
10	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	2. To create awareness about various banking concepts
11	B.Com	Semester –I	116 - B	Insurance and Transport- I	To acquaint students with the concepts of Insurance
12	B.Com	Semester –I	116 - B	Insurance and Transport- I	2. To create awareness regarding basic knowledge about Life Insurance, Fire Insurance and Marine Insurance.
13	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	1. To understand the concept of Business Environment and its aspects
14	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	2. To 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. To generate entrepreneurial inspiration through the study of successful Entrepreneurs
16	B.Com	Semester –I	115-C	Commercial Geography	1.Students Understood the scope and content of commercial g eography in relation to spatial distribution of agr iculture, forest resources and industrial production

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

17	B.Com	Semester –I	115-C	Commercial Geography	2. Acquainted the students about dynamic aspects of commercial geography.
18	B.Com	Semester –I	117-A	Additional English	1. Developed confidence to speak fluent English.
19	B.Com	Semester –I	117-A	Additional English	2.Developed the ability among students to use English language.
20	B.Com	Semester –II	121	Compulsary English-II	3.Students got an overall linguistic competence and communicative skills.
21	B.Com	Semester –II	121	Compulsary English-II	4.Students are developed in oral and written communicative skills, so that their employability enhances and English becomes the medium of their livelihood and personality.
22	B.Com	Semester –II	122	Financial Accounting- II	1. To impart knowledge of various software used in accounting
23	B.Com	Semester –II	122	Financial Accounting- II	2. To impart knowledge about final accounts of charitable trusts
24	B.Com	Semester –II	123	Business Economics (Micro) - II	1. To understand the basic concepts of micro economics.
25	B.Com	Semester –II	123	Business Economics (Micro) - II	2. To 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. To introduce the basic concepts in Finance and Business Mathematics and Statistics
27	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	2. To learn some elementary statistical methods for analysis of data
28	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	1. To develop the working capability of students in banking sector
29	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	2. To Make the Students aware of Banking Business and practices
30	B.Com	Semester –II	126 (B)	Insurance and Transport- II	1. To acquaint students with the concepts of transport.
31	B.Com	Semester –II	126 (B)	Insurance and Transport- II	2. To create awareness regarding basic knowledge about transportation system in India.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

32	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	1. To understand Nature - Comparison between entrepreneurial and non-entrepreneurial,
33	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	2. To understand Role of Entrepreneurship in economy
34	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	3. Students are motivated to prepare their mind set for taking up entrepreneurship as career.
35	B.Com	Semester –II	125-C	Commercial Geography-II	3.Knowledge about dynamic nature and industrial field
36	B.Com	Semester –II	125-C	Commercial Geography-II	4. Awareness about the relationship between the geographical factors and economic activities
37	B.Com	Semester –II	127-A	Additional English-II	1.Developed the ability among students to use English language.
38	B.Com	Semester –II	127-A	Additional English-II	2.Initiated students into the Joy of Reading literary texts.
39	B.Com	Semester –III	231	Business Communication-I	1. To understand the concept, process and importance of communication.
40	B.Com	Semester –III	231	Business Communication-I	2. To develop business communication skills through the application and exercises.
41	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	1.Awareness about the conceptual aspect of corporate accounting.
42	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	2. To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013
43	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
44	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
45	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	1. To provide basic knowledge and understanding about various concepts of Business Management.
46	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	2.Understood the various functions of management
47	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	1.Imparted with the knowledge of fundamentals of Company Law.
48	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	2. Updated the knowledge of provisions of the Compan ies Act of 2013.
49	B.Com	Semester –III	236(B)	Banking and Finance-I	1.To provide the knowledge about Indian Banking System.

50	B.Com	Semester –III	236(B)	Banking and Finance-I	2.To create the awareness about the role of banking in economic development.
51	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	To prepare learners to know and understand the basic concepts of cost.
52	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	3. To enable students to prepare a cost sheet.
53	B.Com	Semester –IV	241	Business Communication-II	1.To acquire and develop good communication skills requisite for business correspondence.
54	B.Com	Semester –IV	241	Business Communication-II	2. To develop business communication skills through the application and exercises
55	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	1. To acquaint the student 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. To introduce the students with the recent trends in the field of accountancy
57	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
58	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
59	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	1To provide the knowledge about Motivating the staff
60	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	2. To provide the knowledge about Emerging trends in Business management
61	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	1. To develop general awareness among the students about management of company
62	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	2. To have a comprehensive understanding about Key managerial Personnel of company and their role in Company administration.
63	B.Com	Semester –IV	246(B)	Banking and Finance-II	1.To provide the knowledge of Cooperative Banking in India
64	B.Com	Semester –IV	246(B)	Banking and Finance-II	2.To analyze the functioning of Development Banking
65	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To know the documents that are used in stores and how to calculate the issuing price of material.
66	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To understand recent trends in cost accounting.
67	B.Com	Semester –V	351	Business Regulatory Framewor	1. To provide conceptual knowledge about the framework of business Law in India.

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

68	B.Com	Semester –V	351	Business Regulatory Framewor	2. To create awareness among the students 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. To acquaint the student with knowledge about various concepts, objectives, and applicability of some important accounting standards.
70	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	2. To update the students with knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act 1949.
71	B.Com	Semester –V	353	Indian & Global Economic Development	1.To develop ability to analyze economic development process of India.
72	B.Com	Semester –V	353	Indian & Global Economic Development	2. To impart knowledge about the relevance of economic practices in modern competitive world.
73	B.Com	Semester –V	354	Auditing	1. To 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. To 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. To acquaint the students with Indian Financial System and its various segments.
76	B.Com	Semester –V	355-B	Banking and Finance-Special Pa	2. To make the students aware about Indian Money Market.
77	B.Com	Semester –V	355 – e	Cost and Works Accounting. Special Paper II	2. To Introduce the cost accounting standards and the cost accounting standard board.
78	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	To familiarize the Banking Laws and Practice in correlation to the Banking System in India.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

79	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	2. To 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. To prepare learners to understand the basic techniques in Cost Accounting
81	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	2. To understand the learner, application of Cost Accounting techniques in cost control and decision making.
82	B.Com	Semester –VI	361	Business Regulatory Framewor	1. To develop general awareness of Business Law among the students.
83	B.Com	Semester –VI	361	Business Regulatory Framewor	2. To 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. To acquaint the student with knowledge about the legal provisions regarding preparation and presentation of final accounts of Co-operative Societies.
85	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	2. To understand the procedure and methods of analysis of financial statements.
86	B.Com	Semester –VI	363	Indian & Global Economic Deve	1. To develop ability of students to analyze economic development process of India.
87	B.Com	Semester –VI	363	Indian & Global Economic Deve	2. To acquaint the students with the knowledge of recent trends in Human Development Index.
88	B.Com	Semester –VI	364	Auditing & Taxation - II	1. To 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. To understand the income tax rules and regulations and its provisions.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

90	B.Com	Semester –VI	365-B	Banking & Finance-Special Pape	1 .To familiarize students about various basic concepts of stock market.
91	B.Com	Semester –VI	365-B	Banking & Finance-Special Pape	2 .To analyse the types and process of stock trading.
92	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	1. To provide knowledge about the various methods of costing.
93	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	2. To 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. To familiarize students about concept and types cybercrimes in banking
95	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	2. To understand the aspects of paying and collecting banker.
96	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	1. To impart knowledge about Standard Costing and Variance Analysis
97	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	2. To learn about pricing policy and its implementation.
98	B.A.(Geography)	Semester –I	11201	Physical Geography	1. To introduced the concept of physical geography
99	B.A.(Geography)	Semester –I	11201	Physical Geography	2. To 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 Economics	Semester –I	11151	G-1 Indian Economic Environme	1.To provide the students with the background of the Indian Economy with focus on contemporary issues like economic environment.
102		Semester –I	11151	G-1 Indian Economic Environme	2.Ability to develop an understanding of the economic environment and the factors affecting economic environment.

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

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 the students about Marathi Literature, Marathi Language and Marathi Culture.
105	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	3.Developed the sense of awareness about literature amongst student
106	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	1. Developed grammatical skills and accuracy
107	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	2. Developed writing skills and comprehension of literature
108	B.A. ENGLISH	Semester –I	11331	Optional English G1	1. Students are exposed to the basics of literature and language
109	B.A. ENGLISH	Semester –I	11331	Optional English G1	2. Students are familiarized with different types of literature in English, the literary devices and terms so that they Understood the literary merit, beauty and creative use of language
110	B.A.(Geography)	Semester –II	12201	Human Geography	1. To introduced the concept of Human geography
111	B.A.(Geography)	Semester –II	12201	Human Geography	2. To understand basic concept ofHuman geography
112	B.A. Politics	Semester –II	12161	Politics G1	1. To familiarize students with the working of the Constitution of India. Study the political processes and the actual functioning of the political system .
113	Marathi	Semester –II		Modern Indian language Marathi	1-प्रगत भाषिक कौशल्य यांची क्षमता विकसित करणे
114	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	1.To familiarize the students with the recent developments in the Indian Economy
115	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	2.Ability to compare and contrast Indian Economy with other world economies.
116	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	1. Developed vision of literature amongst student
117	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	2.Attended various trends and type of Marathi Literature.
118	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	3.Developed the capacity of linguistic competence in order to confront the wor global comptition

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

119	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	1.Students are familiarized 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. Students are exposed 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. Students are made aware of the 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 .Students are prepared to go for detailed study and Understooding of literature and language
123	B.A.(Geography)	Semester –III	23202	Population Geography-I (S1)	1. To understand the history of population
124	B.A.(Geography)	Semester –III	23202	Population Geography-I(S-I)	2. To introduction of the basic concepts in population geography
125	B.A.(Geography)	Semester –III	23203	Practical Geography-I(Scale & I	1. To Enable students to use various scales and Projection techniques in Geography
126	B.A.(Geography)	Semester –III	23203	Practical Geography-I(Scale & I	2. To Explain the elementary and essential Principles of Practical work in geography
127	B.A.(Geography)	Semester –III	2304	Environmental Geography-I (G	1. To create the awarness about dynamic environment among the student
128	B.A.(Geography)	Semester –III	2304	Environmental Geography-I (G	2. To acquaint the student with fundamental concepts of environment Geography for development in different areas.
129	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Mar	1. To inculcate critical thinking and Problem- solving abilities on disaster management
130	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Mar	2. To Enable students 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.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

132	B.A. Politics	Semester –III	23162	Politics Special II	Complex relationship between the communication, media and power politics.
133	B.A. Politics	Semester –III	23165	Politics Special SEC	1. To acquaint students with the important features of the Constitution of India and with the basic framwork of Indian Government.
134	Economics	Semester –III	23153	G -2. Financial System-I	1.To understand the recent trends and developments in banking system.
135	Economics	Semester –III	23153	G -2. Financial System -I	2.To understand fundamentals of modern financial system.
136	B.A Economics	Semester –III	23151	S -1. Micro Economics -I	1.To develop an understanding about subject matter of Economics.
137	B.A Economics	Semester –III	23151	S -1. Micro Economics-I	2.To impart knowledge of Micro economics.
138	B.A Economics	Semester –III	23152	S -2. Macro Economics -I	1.To introduce students to the historical background of the emergence of Macro Economics
139	B.A Economics	Semester –III	23152	S -2. Macro Economics-I	2.To familiarize students with various concepts of national income
140	B.A Economics	Semester –III	23154	**SEC** Basic Concept of Research Methodology -I	1.To develop the understanding of the basic concept of research
141	B.A Economics	Semester –III	23154	**SEC** Basic Concept of Research Methodology -I	2.To identify various sources of information for data collection
142	B.A. Politics	Semester –III	23161	Politics Special I	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. Made student aware of the historical tradition of Marathi Literature.
144	B.A. Marathi	Semester –III	23021	Marathi Special Paper I	1. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's 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 MarathiGeneral II	1.Introduced the student of the rules and regulations of the 'Shuddhalekhan'.
147	B.A. Marathi	Semester –III	23023	S.Y.B.A Marathi General II	2. Introduced the student of the rules and regulations of the 'Shuddhalekhan'

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

148	B.A. Marathi	Semester –III	23025	Marathi SEC2A	
149	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	1.Developed competence among the students for self-learning
150	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	2. Familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
151	B.A. ENGLISH	Semester –III	23333	Optional English G2	1. Students are exposed to the basics of short story as one of the literary forms
152	B.A. ENGLISH	Semester –III	23333	Optional English G2	2. Students are familiarized with different types of short stories in English
153	B.A. ENGLISH	Semester –III	23331	English Special I	1. Students are encouraged to Made a detailed study o f a few sample masterpieces of English Drama from different parts of the world
154	B.A. ENGLISH	Semester –III	23331	English Special I	2. Interest is developed among the students to appreciate and analyze drama independently
155	B.A. ENGLISH	Semester –III	23332	English Special II	1.The students are familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
156	B.A. ENGLISH	Semester –III	23332	English Special II	2. Students are encouraged to Made a detailed study of a few sample masterpieces of English poetry
157	B.A. ENGLISH	Semester –III	23334	English SEC 2A	1. Enhancing the skill of using english for everyday communication
158	B.A. ENGLISH	Semester –III	23334	English SEC 2A	2. To acquaint the students with the verbal and non-verbal communication
159	B.A.(Geography)	Semester –IV	24202	Population Geography-II (S1)	1. To introduce student to the Population policy of India and China
160	B.A.(Geography)	Semester –IV	24202	Population Geography-II(S-I)	2. To understand the Health indicator in India
161	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	1. To introduce the Student to the basic and contemporary concept in geography

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

162	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	2. To introduced the latest concept regarding the modern cartography in the fild of geography
163	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	1.. To 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. To make aware student 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. To develop basic framework to uderstand the various elements of tourism management
166	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	2. To evaluate the roll of transport in Travel and Tourism industry
167	B.A.(Geography)	Semester –IV	352201	Geography of india -I(S3)	1. To help the students to understand the inter relationship between the subject and the Society
168	B.A. Politics	Semester –IV	24164	Politics G2	2. Explained 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	Critical appraisal of practices of political image management, campaigns, propaganda and censorship.
170	B.A. Politics	Semester –IV	24165	Politics Special SEC	1. This paper focuses in detail on the political processes and the actual funtioning of the political system. It emphasizes on local influences that derive from social stratification of jatis, from language, religion, ethic and economic determinants and critically assesses its the political processes.
171	B.A Economics	Semester –IV	23153	G -2. Financial System-II	1.To provide the students the intricacies of Indian financial system for better financial decision making.
172	B.A Economics	Semester –IV	23153	G -2. Financial System -II	2.To provide the knowledge of various financial and non-financial institutions.
173	B.A Economics	Semester –IV	23151	S -1. Micro Economics -II	1.To help the students to prepare for varied competitive examinations

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

174	B.A Economics	Semester –IV	23151	S -1. Micro Economics-II	2.To 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.To introduce students to the various instruments of monetary and fiscal policies
176	B.A Economics	Semester –IV	23152	S -2. Macro Economics-II	2.To introduce students to 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.To identify various sources of information for data collection
178	B.A Economics	Semester –IV	23154	**SEC** Basic Concept of Research Methodology -II	2.To develop the understanding of the conducting survey on various issues.
179	B.A. Politics	Semester –IV	24161	Politics Special I	1.The history of political thought as a series of critical, interconnected and open-ended conversations about the ends and means of the good life.
180	B.A. Marathi	Semester –IV	24021	Marathi Special Paper I	2. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
181	B.A. Marathi	Semester –IV	24022	Marathi Special Paper II	1. Understood the scope of literature.
182	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	3. Explained scope of modern Marathi Literature.
183	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	4.Discussed about story, novel, Auto-biography and biography.
184	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	1. Developed students' interest in reading literary pieces
185	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	2. Exposed them 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. Students are Enabledd to Understood the literary merit, beauty and creative use of language

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

187	B.A. ENGLISH	Semester –IV	24333	Optional English G2	2. Students acquired 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. Students awareness is enhanced in the aesthetics of Drama and to empower them to evaluate drama independently
189	B.A. ENGLISH	Semester –IV	24331	English Special I	4. Students are acquainted and familiarized the students 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.Students' awareness enhanced in the aesthetics of poetry
191	B.A. ENGLISH	Semester –IV	24332	English Special II	4. Students are empowered to read and appreciate poetry as a form of literature
192	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	1. to develop interest among the students to interact in English
193	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	2. to create opportunities to access exposure of speaking in various contexts.
194	B.A.(Geography)	Semester –V	352201	Geography of india -I(S3)	2. To help the students to understand the recent trends in regional Studied
195	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	1. To introduced the students with SOI toposheets and acquire the knowledge of toposheet interpretion
196	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	2. To introduce the students with weather maps and acquire the knowledge of its interpretion
197	B.A.(Geography)	Semester –V	35205	Geography of Turism -I G-3	1. To understand the types of tourism
198	B.A.(Geography)	Semester –V	35205	Geography of Turism -I G-3	2. To gain knowledge different aspects of tourism geography
199	B.A.(Geography)	Semester –V	35206	Reaserch Methodology -I (SEC)	1. To develop the understanding of the basic framework of sampling and data collection

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

200	B.A.(Geography)	Semester –V	35206	Reaserch Methodology -I (SEC)	2. To develop the understanding of various sampling methods and techniques
201	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with 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. Approaches to the Study of International Relations
202	B.A. Politics	Semester –V	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
203	B.A Economics	Semester –V	35153	G3 Indian Economic Developme	1.To explain the characteristics of Developing and Developed Countries
204	B.A Economics	Semester –V	35153	G3 Indian Economic Developme	2.To relate and recognize the concept and indicators of Economic Development.
205	B.A Economics	Semester –V	35151	S3 International Economics-I	1.To relate and recall the concepts of International Economics and International Trade.
206	B.A Economics	Semester –V	35151	S3 International Economics-I	2.To describe and apply the theories of international trade.
207	B.A Economics	Semester –V	35152	S4 Public Finance -I	1.To make students to analyze the role of Public Finance in Economic Development.
208	B.A Economics	Semester –V	35152	S4 Public Finance -I	2. To know the sources of Revenue, Expenditure and Debt of Govt. of India.
209	B.A Economics	Semester –V	35154	**SEC** Business Management-I	1.To develop Management of Business.
210	B.A Economics	Semester –V	35154	**SEC** Business Management-I	2.Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

211	B.A. Politics	Semester –V	35163	Politics G3	This course will introduce the overall scope of the sub-discipline of Modern Political Analysis. The focus of the course will be on the Modern Political Analysis of Power. The emphasis is on the nature of power in modern societies. More in the form of organizations an social formations than as individual power.
212	B.A. Politics	Semester –V	35161	Politics Special III	This paper is an introductory course in Public Administration. The essence of Public Administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part of community living.
213	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with 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. Approaches to the Study of International Relations
214	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	3. Understood the process of origin Literature.
215	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	4. Understood the language of literature.
216	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	1. Informed the students language and its scope and nature.
217	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	2. Understood various angles of study of Marathi Language.
218	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	1.Discussed about story, novel, Auto-biography and biography.
219	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	2.Explained 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. Introduced students to the best uses of language in literature.
222	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	2. Familiarized students with the communicative power of English

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

223	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	3. Enabled students to become competent users of English in real life situations
224	B.A. ENGLISH	Semester –V	35333	Optional English G3	1. students are made see how Indian English poetry expresses the ethos and culture of India
225	B.A. ENGLISH	Semester –V	35333	Optional English G3	2. Student Understood creative uses of language in Indian English Poetry
226	B.A. ENGLISH	Semester –V	35333	Optional English G3	3. Introduced students to some advanced areas of language study
227	B.A. ENGLISH	Semester –V	35331	English Special III	1. students familiarized to the basics of novel as a literary form
228	B.A. ENGLISH	Semester –V	35331	English Special III	2. students are exposed to the historical development and nature of novel
229	B.A. ENGLISH	Semester –V	35331	English Special III	3. students are made aware of different types and aspects of novel
230	B.A. ENGLISH	Semester –V	35332	English Special IV	1. students made aware of selected approaches to literature
231	B.A. ENGLISH	Semester –V	35332	English Special IV	2. students are familiarized to the basics of literary criticism
232	B.A. ENGLISH	Semester –V	35332	English Special IV	3. students are made aware of the nature and historical development of criticism
233	B.A. ENGLISH	Semester –V	35334	English SEC 2C	1. to develop overall personality of the students.
234	B.A. ENGLISH	Semester –V	35334	English SEC 2C	2. to equip the students with social skills.
235	B.A.(Geography)	Semester –VI	36201	Geography of india -II(S3)	1. To acquaint the student with geography of our nation
236	B.A.(Geography)	Semester –VI	36201	Geography of india -II(S3)	2. To make the student aware of 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./ Villege/ Project Report (S4)	1. To understand the concept Geographical data and its basic analysis for students

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

238	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Villege/ Project Report (S4)	2. To understand the concept of testing and application of hypothesis
239	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	1. To understand the history of Tourism
240	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	2. To introduced the students to the basic concepts in tourism geography
241	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	1. To identify various Sources of information for data Collection
242	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	2. Understanding 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 Developme	1.To describe and explain the process of Economic Planning
244	B.A Economics	Semester –VI	35153	G3 Indian Economic Developme	2.To describe and explain the relation between Economic Development and Environment.
245	B.A Economics	Semester –VI	35151	S3 International Economics-II	1.Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market.
246	B.A Economics	Semester –VI	35151	S3 International Economics-I	2.Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.
247	B.A Economics	Semester –VI	35152	S4 Public Finance -II	1.To describe and analyze the concept of Deficit Financing and its effects.
248	B.A Economics	Semester –VI	35152	S4 Public Finance -II	2.To explain and assess the components and instruments of Fiscal Policy
249	B.A Economics	Semester –VI	35154	**SEC** Business Management-II	1.Analytical Skills – Ability to analyze data collected and interpret in the most logical manner
250	B.A Economics	Semester –VI	35154	**SEC** Business Management-II	2.Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

251	B.A. Politics	Semester –VI	35163	Politics G3	Students are also expected to understand different forms of justifications of power and the role of ideology in this regard. State will be studied as a repository of power in society while class and patriarchy are two instance of how the nature of power is shaped by social factors
252	B.A. Politics	Semester –VI	35161	Politics Special III	The paper covers personnel public administration in its historical context thereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal with process of change. The recent developments and particularly the emergence of New Public Administrations are incorporated within the larger paradigm of democratic legitimacy.
253	B.A. Politics	Semester –VI	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
254	B.A. Politics	Semester –VI	35165	Politics Special SEC	This course is and introduction to the political process in Maharashtra with special reference to regionalism sub-regionalism and Samyukta Maharashtra Movement. The aim of the course is that students are expected to understand both 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 . Understood 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. Informed the students about the descriptive, Historical and comparative method, scope and difference of language.
258	B.A. Marathi	Semester –VI	35022	Marathi Special Paper IV	2. Made aware of the students about system of Marathi Language.
259	B.A. Marathi	Semester –VI	35025	Marathi SEC2D (2)	

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

260	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	1. Exposed students to varied cultural experiences through literature
261	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	2. Contributed to their overall personality development by improving their communicative and soft skills
262	B.A. ENGLISH	Semester –VI	36333	Optional English G3	1. prepared students to go for detailed study and Understooding of literature and language
263	B.A. ENGLISH	Semester –VI	36333	Optional English G3	2.students are exposed to some of the best samples of Indian English Poetry
264	B.A. ENGLISH	Semester –VI	36331	English Special III	1. literary sensibility and sense of cultural diversity is developed in students
265	B.A. ENGLISH	Semester –VI	36331	English Special III	2.students are exposed to some of the best examples of novel
266	B.A. ENGLISH	Semester –VI	36331	English Special III	3. Developed the skills to critically examine novels independently
267	B.A. ENGLISH	Semester –VI	36332	English Special IV	1. students are familiarized with the significant critical approaches and terms
268	B.A. ENGLISH	Semester –VI	36332	English Special IV	2. students are encouraged to interpret literary works in the light of the critical approaches
269	B.A. ENGLISH	Semester –VI	36332	English Special IV	3. Developed students' aptitude for critical analysis
270	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	1. to train the students interpersonal skills.
271	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	2. to enhance leadership qualities.
272	M.Com	Semester –I	101	Management Accounting	1.The objective of the course is to Enabled students t o acquire sound Knowledge of concepts, methods and techniques of management accounting.
273	M.Com	Semester –I	101	Management Accounting	2.Made the students develop competence with their usage in managerial decision making and control
274	M.Com	Semester –I	103	Advanced Accounting I	1.Lay a theoretical foundation of Accounting and A ccounting Standards.
275	M.Com	Semester –I	103	Advanced Accounting I	2.Gain ability to solve problems relating to Compa ny Accounts, Valuations and special types of situations.
276	M.Com	Semester –I	103	Advanced Accounting I	3.Made the students acquiented with the procedure, Pratice and Regulation of Accountancy

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

277	M.Com	Semester –I	104	Income Tax II	1.Gain knowledge of 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.Developed ability to calculate taxable Income of ' Individual', 'Hindu Undivided Family' and 'Firm' assesses.
279	M.Com	Semester –II	201	Financial Analysis and Control	1.The objective of the course is to Enabled st udents to acquire sound knowledge of concepts, methods and techniques of management accounting
280	M.Com	Semester –II	201	Financial Analysis and Control	2. Made the students develop competence with their usage in managerial decision making and control.
281	M.Com		202	Industrial Economics	1.Studied the basic concepts of Industrial Economics .
282	M.Com	Semester –II	202	Industrial Economics	2.Studied the significance and problems of Industrilization.
283	M.Com	Semester –II	202	Industrial Economics	3.Studied the impact of Industrialization on Indian Economy.
284	M.Com	Semester –II	203	Specialized Areas In Accounting III	1.Developed 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.Understood of Financial Reporting Practices.
286	M.Com	Semester –II	203	Specialized Areas In Accounting III	3 students are familiarized with procedure of accounting for Taxation.
287	M.Com	Semester –II	204	Business Tax assesment and Planning IV	1.Provided Understooding of Direct Taxes including Rules pertaining there to and their application to different business situations.
288	M.Com	Semester –II	204	Business Tax assesment and Planning IV	2. students are understood principles underlying the Service Tax .
289	M.Com	Semester –II	204	Business Tax assesment and Planning IV	3.Understood basic concepts of VAT, Excise Duty an d Customs Duty
290	M.Com	Semester –III	301	Business Finance	1.students acquired sound knowledge of concepts, nature and structure of business finance.
291	M.Com	Semester –III	302	Research Methodology for Business	1.the students are acquainted with the areas of Business Research Activities.
292	M.Com	Semester –III	302	Research Methodology for Business	2.Enhanced capabilities of students to conduct the research in the field of business and social sciences.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

293	M.Com	Semester –III	302	Research Methodology for Business	3.Enabled students, in developing the most appropri ate methodology for their research studies.
294	M.Com	Semester –III	302	Research Methodology for Business	4.Made them familiar with the art of using diffrent research methods and techniques.
295	M.Com	Semester –III	303	Advanced Auditing V	1. Imparted knowledge and develop Understooding of methods of auditing and their application.
296	M.Com	Semester –III	304	Specialized Areas In Auditing VI	1. Imparted knowledge and develop Understooding of methods of audit in Specialized areas.
297	M.Com	Semester –IV	401	Capital Market and Financial services	1. Enabled students to acquire sound knowledge, concept and structure of capital market and financial services.
298	M.Com	Semester –IV	402	Industrial Economics Environment	1.Studied the basic concepts of Industrial Finance
299	M.Com	Semester –IV	402	Industrial Economics Environment	2. Studied the effects of New Economic Policy.
300	M.Com	Semester –IV	402	Industrial Economics Environment	3. Studied the impact of Labor reforms on Industries.
301	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Up-dated the students with latest developments in the Subject
302	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcated the habit of referring to various periodicals and publication s in the given subject, apart from text books and reference books
303	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	3.Developed the ability to read, Understood, interpret and summarize various articles from newspapers, journals
304	M.Com	Semester –IV	102	Strategic Management	1: Stuents are understood Strategic management in framing the policies and administration in adverse condition of the business.
305	M.Com	Semester –IV	103	Advanced accounting	1. Students acquiented with the procedure, Pratice and Regulation of Accountancy
306	M.Com	Semester –IV	204	Business Tax assessment and planning	1:Taxation procedure policies and regulations are imporant aspect in business which is core value of the subject.
307	M.Com	Semester –IV	301	Business Finance	1: The Students are known about financial aspects of the business.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

308	M.Com	Semester –IV	202	Industrial Economics	1: The Economical aspects related to industries are inculcated for the post graduate studnet in the curriculum.
309	M.Com	Semester –IV	403	Recent Advances in Accounting, Taxation & Auditing.	1. To enable the students to be abreast with the latest advances in the field of Accounting.
310	M.Com	Semester –IV	401	Capital Market and Financial Services	1. Student acquiented with the capital market so that they can enculcate the knowledge of raising the capital.
311	M.Com	Semester –IV	404	Project Work	1: The Students are developed anaylitical mind in the subject
312	BBA[CA]	Semester –I	CA-101	Business Communication	1. To understand what is the role the role of communication in personal and business world. 2. To understand system and communication and their utility 3. To develop proficiency in how to write business letters and other communications in required.
313	BBA[CA]	Semester –I	CA-102	Principles of Management	1. To examining how various management principles 2.To develop managerial skills among the students. 3.To understand basic concept regarding org. Business Administration.
314	BBA[CA]	Semester –I	CA-103	C Language	1.Student learned Decision making, structure, Union & all basics of C programming language, 2. Explore algorithmic approaches to problem solving. 3. Develop modular programs using control structures and arrays in 'C'.
315	BBA[CA]	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.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

316	BBA[CA]	Semester –I	CA-105	Statistics	1. To understand role and importance of statistics in various business situations 2. To develop skills related with basic statistical technique 3. Develop right understanding regarding regression, correlation and data interpretation
317	BBA[CA]	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 Write and execute simple, nested queries. Guidelines
318	BBA[CA]	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.Design and analysis of major classes of algorithm.
319	BBA[CA]	Semester –II	CA-201	Organization Behavior & Human Resource Management	1.To understand basic concepts of OB and HRM. 2. To make aware students about traditional & modern methods of procurement & development in organization. 3. To know the major trends in HRM & OB
320	BBA[CA]	Semester –II	CA-202	Financial Accounting	1.To develop right understanding regarding role and importance of monetary and financial transactions in business 2. To cultivate right approach towards classifications of different transactions and their implications 3. To develop proficiency preparation of basic financial as to how to write basis accounting statement - Trading and P&L

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

321	BBA[CA]	Semester –II	CA-203	Business Mathematics	1.To understand role and importance of Mathematics in various business situations and while developing softwares. 2.To develop skills related with basic mathematical technique.
322	BBA[CA]	Semester –II	CA-204	Relational Database	1. Enables students to understand relational database concepts and transaction management concepts in database system. 2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.
323	BBA[CA]	Semester –II	CA-205	Web Technology HTML-JS-CSS	1.To know & understand concepts of internet programming. 2. To understand how to develop web based applications using JavaScript.
324	BBA[CA]	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[CA]	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 C.
326	BBA[CA]	Semester –III	CA-301	Digital Marketing	1. The aim of this syllabus is to give knowledge about using digital marketing in and as business. 2. To make SWOT analysis, SEO optimization and use of various digital marketing tools.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

327	BBA[CA]	Semester –III	CA-302	Data Structure	1. To understand the concepts of ADTs 2. To learn linear data structures – lists, stacks, and queues 3. To understand sorting, searching and hashing algorithms 4. To apply Tree and Graph structures
328	BBA[CA]	Semester –III	CA-303	Software Engineering	1. To understand System concepts. 2. To understand Software Engineering concepts. 3. To understand the applications of Software Engineering concepts and Design in Software development.
329	BBA[CA]	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. Read and process data in a MySQL database.
330	BBA[CA]	Semester –III	CA-305	Big data	1. To enable learners to develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning 2. To enable the learner to identify, develop and apply detailed analytical, creative, problem solving skills. 3. Provide the learner with a comprehensive platform for career development, innovation and further study.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

331	BBA[CA]	Semester –III	CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
332	BBA[CA]	Semester –III	307 AECC	Environment Awareness	1. To provide an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment 2. To develop conscious towards a cleaner and better managed environment
333	BBA[CA]	Semester –IV	CA-401	Networking	1. To gain knowledge about Computer Networks concepts. 2. To know about working of networking models, addresses, transmission medias and connectivity devices. 3. To acquire information about network security and cryptography.
334	BBA[CA]	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. Enable students to write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling.
335	BBA[CA]	Semester –IV	CA-403	Operating System	1. To know the services provided by Operating System 2. To know the scheduling concept 3. To understand design issues related to memory management and various related algorithms. 4. To understand design issues related to File management and various related algorithms

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

336	BBA[CA]	Semester –IV	CA-404	Advance PHP	1. To know & understand concepts of internet programming. 2. Understand how server-side programming works on the web. 3. Understanding How to use PHP Framework (Joomla / Druple)
337	BBA[CA]	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[CA]	Semester –IV	CA-406	Computer Laboratory Based on 402,404 (2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
339	BBA[CA]	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.
340	BBA[CA]	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. To develop Cyber forensics awareness. 5. Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era
341	BBA[CA]	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.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

342	BBA[CA]	Semester –V	CA-503	Core Java	1. Able to solve real world problems using OOP techniques. 2. Able to understand the use of abstract classes. 3. Able to solve problems using java collection framework and I/o classes. 4. Able to develop multithreaded applications with synchronization. 5. Able to develop applets for web applications. Able to design GUI based applications
343	BBA[CA]	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[CA]	Semester –V	CA-505	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
345	BBA[CA]	Semester –V	CA-506	Computer Laboratory Based on 503 and 504(2 credits each)	Students will be able to : Practical and Actual working of constructing programs is done by students.
346	BBA[CA]	Semester –V	CA_507	Add on Course-IOT(30 Hours)	Students will be able 1. To explain key technologies, smart objects, IoT Architecture and security in Internet of Things. 2. To illustrate the role of IoT protocols for efficient network communication. 3. To understand IoT platform such as Arduino Uno.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

347	BBA[CA]	Semester –VI	CA-601	Recent Trends in Information Technology(Tutorial/Assignment)	On completion of the course, student will be able 1. To discuss the basic concepts AI. 2. To apply basic, intermediate and advanced techniques to mine the data. 3. To provide an overview of the concept of Spark programming.
348	BBA[CA]	Semester –VI	CA-602	Software Testing	1. Students will be introduced to testing tools. 2. Students will acquire Knowledge of Basic SQA. 3. Students will be able to design basic Test Cases.
349	BBA[CA]	Semester –VI	CA-603	Advanced Java	1. Students will know the concepts of JDBC Programming. 2. Students will know the concepts of Multithreading and Socket Programming. 3. Students will know the concepts of Spring and Hibernate. 4. Students will develop the project by using JSP and JDBC. 5. Students will develop applications in Spring and hibernate.
350	BBA[CA]	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 VB, C# and ASP.
351	BBA[CA]	Semester –VI	CA-605	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

352	BBA[CA]	Semester –VI	CA-606	Computer Laboratory Based on 603 and 604(2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
353	BBA[CA]	Semester –VI	CA-607	Add on Course-Soft Skills Training	1. It helps participants to communicate effectively and to carry themselves confidently. 2. They also learn how to identify and overcome the barriers in interpersonal relationships.
354	B.Sc(CS)	Semester –I	CS-111	Problem solving using Computer & C Programming	Students will be able to : 1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays in 'C'.
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 :

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

357	B.Sc(CS)	Semester –I	MTC-111	Matrix Algebra	student will be able to: 1) A students should be able to work with graphs and identify certain parameters and properties of the given graphs. 2) A students should be able to 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) A students should be able to solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y. 2) A students should 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)A students should be able to 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 ElectronicSystems	1. To study various types of semiconductor devices 2. To study elementary electronic circuits and systems
361	B.Sc(CS)	Semester –I	ELC-112	Principles of Digital Electronics	1. To get familiar with concepts of digital electronics 2. To learn number systems and their representation

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

362	B.Sc(CS)	Semester –I	ELC-113	Electronics Lab based on ELC-111 and ELC-112	1. To understand basic logic gates, Boolean algebra and K-maps 2. To study arithmetic circuits, combinational circuits and sequential circuits
363	B.Sc(CS)	Semester –I	CSST-111	Descriptive Statistics	Student will be able to– 1) To tabulate and make frequency distribution of the given data. 2) To use various graphical and diagrammatic techniques and interpret.
364	B.Sc(CS)	Semester –I	CSST-112	Mathematical Statistics	Student will be able to– 1) To compute various measures of central tendency, dispersion, Skewness and kurtosis. 2) To fit the Binomial and Poisson distributions. 3) To 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) The process of collection of data, its condensation and representation for real life data. 2) To study free statistical softwares and use them for data analysis in projec
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.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

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 : 1Write, debug and execute programs using advanced features in 'C'. 2 To use SQL & PL/SQL. 3 To perform advanced database operations
369	B.Sc(CS)	Semester –II	MTC-121	Linear Algebra	1.A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays , state important facts resulting from their studies. 2 A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

370	B.Sc(CS)	Semester –II	MTC-122	Graph Theory	1.A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences. 2. A student be able to 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 information and draw the relevant conclusion.
371	B.Sc(CS)	Semester –II	MTC-123	Lab Course based on MTC-121 and MTC 122	1. A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture. 2. A student be able to 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 information and draw the relevant conclusion.
372	B.Sc(CS)	Semester –II	ELC-121	InstrumentationSystems	1. To study Instrumentation System 2. To study various blocks of Instrumentation System 3. To study Smart Instrumentation System
373	B.Sc(CS)	Semester –II	ELC-122	Basics of Computer Organizatic	1. To get familiar digital sequential circuits 2. To study Basic computer Organization 3. To study Memory architecture

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

374	B.Sc(CS)	Semester –II	ELC-123	Lab Course based on ELC-121 and ELC-122	1. To study Instrumentation System 2. To study various blocks of Instrumentation System 3. To study Smart Instrumentation System 4. To get familiar digital sequential circuits 5. To study Basic computer Organization 6. To study Memory architecture
375	B.Sc(CS)	Semester –II	CSST-121	Methods of Applied Statistics	Student will be able to :- 1 To fit various regression models and to find best fit. 2 To fit the Normal distribution.
376	B.Sc(CS)	Semester –II	CSST-122	Continuous Probability Dist. & Testing of hypothesis	Students will be able to 1) To understand the relationship between two variables using scatter plot. 2) To compute coefficient of correlation, coefficient of regression. 3) To 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. To generate model sample from given distributions. 2.To understandthe importance and functions of different statistical organizations in the development of nation.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

378	B.Sc(CS)	Semester –III	CS-231	Data structures and Algorithms	1. To use well-organized data structures in solving various problems. 2. To differentiate the usage of various structures in problem solution. 3. Implementing algorithms to solve problems using appropriate data structures.
379	B.Sc(CS)	Semester –III	CS-232	software Enginering	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
380	B.Sc(CS)	Semester –III	CS-233	Practical Course based on CS 232 and CS 233	1.Practical and Actual working of constructing data structure programs is done by students. 2.The students 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. A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

382	B.Sc(CS)	Semester –III	MTC-232	Numerical Techniques	1. A student should 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.A student should get adequate exposure 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	student will be able 1. To write programs for 8051 microcontroller 2. To interface I/O peripherals to 8051 microcontroller 3. To design small microcontroller based projects
385	B.Sc(CS)	Semester –III	ELC-232	Digital Communication & Networking	student will be able 1. Define and explain terminologies of data communication 2. Understand the impact and limitations of various digital modulation techniques 3. To acknowledge the need of spread spectrum schemes. 4. Identify functions of data link layer and network layer while accessing communication link 5. To choose appropriate and advanced techniques to build the computer network

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

386	B.Sc(CS)	Semester –III	ELC-233	Electronics Lab Practical Course (ELC-233)	student will be able 1. To design and build his/her own microcontroller based projects. 2. To acquire skills of Embedded C programming 3. To know multiplexing and modulation techniques useful in developing wireless application 4. Do build and test own network and do settings. Guidelines for
387	B.Sc(CS)	Semester –III	AECC-I	Environment Awareness-I	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 interactions between social and environmental processes.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

388	B.Sc(CS)	Semester –III	AECC-II	Language Communication-I	1.Students will heighten their awareness of correct usage of English grammar in writing and speaking Students will improve their speaking ability in English both in terms of fluency and comprehensibility 2.Students will give oral presentations and receive feedback on their performance 3.Students will increase their reading speed and comprehension of academic articles
389	B.Sc(CS)	Semester –IV	CS-241	Data Structures & Algorithms I	1. Implementation of different data structures efficiently 2. Usage of well-organized data structures to handle large amount of data 3. Usage of appropriate data structures for problem solving
390	B.Sc(CS)	Semester –IV	CS-242	Computer Network-I	1. Have a good understanding 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	1.Practical and Actual working of constructing data structure programs is done by students. 2.computer networking assignments

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

391	B.Sc(CS)	Semester –IV	ELC-241	Embedded System Design	On completion of the course, student will be able 1. To understand the difference between general computing and the Embedded systems. 2. To 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. To develop familiarity with tools used to develop in an embedded environment.
392	B.Sc(CS)	Semester –IV	ELC-242	Wireless Comm. & Internet of Things	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 5. Explore themselves and develop new IoT based applications
	B.Sc(CS)	Semester –IV	ELC-243	Practical Course based on and ELC-241 AND ELC-242	students will be able 1. To design and develop own smart applications using Rasberry-Pi 2. To write Python program for simple applications 3. To build own IoT based system

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

	B.Sc(CS)	Semester –IV	MTC-241	Computational Geometry	1.A student be able to 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 information and draw the relevant conclusion.
393	B.Sc(CS)	Semester –IV	MTC-242	Operation Research	1.A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.
394	B.Sc(CS)	Semester –IV	MTC-243	Practical Course based on MTC-241 and MTC-242	1.A student be able to 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 information and draw the relevant conclusion.
395	B.Sc(CS)	Semester –IV	AECC-I	Environmental Awareness-II	1.Students develop critical-thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable solutions for local and global communities.
396	B.Sc(CS)	Semester –IV	AECC-II	Language Communication –II	1.Students will improve their reading fluency skills through extensive reading 2.Students will enlarge their vocabulary by keeping a vocabulary journal 3.Students will strengthen their ability to write academic papers, essays and summaries using the process approach.

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

397	B.Sc(CS)	Semester –V	CS-351	Operating Systems – I	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	1.Student will understand the different protocols of Application layer. 2.Develop understanding of 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	1. To understand the concept of process scheduling with the help of simulation. 2. To study the concept demand paging concepts in operating system. 3. To understand the working of operating system shell.
400	B.Sc(CS)	Semester –V	CS-353	Web Technologies – I	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP-Database handling

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

401	B.Sc(CS)	Semester –V	CS-354	Foundations of Data Science	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.
402	B.Sc(CS)	Semester –V	CS-358	Practical course based on CS 353 and CS 354	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP- Database handling 4.To apply statistical, data preprocessing and visualization techniques on data sets
403	B.Sc(CS)	Semester –V	CS-355	Object Oriented Programming using Java-I	1.To learn Object Oriented Programming language 2. To study various java programming concept like Interface, File and Exception Handling etc. 3.To design User Interface using Swing and AWT
404	B.Sc(CS)	Semester –V	CS-356	Theoretical Computer Science	1. Understand the use of automata during language design. 2.Relate various automata and Languages.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

405	B.Sc(CS)	Semester –V	CS-359	Practical Course based on CS 3	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	1. To introduce programming concepts using python 2. Student should be able to develop Programming logic using python 3. To develop basic concepts and terminology of python programming 4. To test and execute python programs
407	B.Sc(CS)	Semester –V	CS-3511	Blockchain Technology	1. Understand what and why of blockchain technology. 2. Explore major components of blockchain. 3. Learn about Bitcoin, Cryptocurrency and Ethereum. 4. To learn blockchain programming using Python, Flask Web Framework, and HTTP client Postman.
408	B.Sc(CS)	Semester –VI	CS-361	Operating Systems – II	1. To understand the issue of Deadlocks in Process management. 2. To understand the concept of File system management & disk scheduling 3. To study the concept of distributed and mobile operating systems

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

409	B.Sc(CS)	Semester –VI	CS-362	Software Testing	1. To understand various software testing methods and strategies. 2. To understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software. 3. To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing methods used in the software industries.
410	B.Sc(CS)	Semester –VI	CS-367	Practical course based on CS 36	1. Management of deadlocks by operating system 2. File System management 3. Disk space management and scheduling for processes
411	B.Sc(CS)	Semester –VI	CS-363	Web Technologies – II	1. To Learn different technologies used at client Side Scripting Language 2.To Learn XML and XML parsers. 3.To One PHP framework for effective design of web application. 4.To Learn Java Script to program the behavior of web pages. 5.To Learn AJAX to make our application more dynamic.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

412	B.Sc(CS)	Semester –VI	CS-364	Data Analytics	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 problems
413	B.Sc(CS)	Semester –VI	CS-368	Practical course based on CS 36	1. Build dynamic website. 2.Using MVC based framework easy to design and handling the errors in dynamic website.
414	B.Sc(CS)	Semester –VI	CS-365	Object Oriented Programming u	1. To learn database programming using Java 2.To study web development concept using Servlet and JSP 3.To develop a game application using multithreading 4.To learn socket programming concep
415	B.Sc(CS)	Semester –VI	CS-366	Compiler Construction	1.Understand the process of scanning and parsing of source code. 2. Learn the conversion code written in source language to machine language. 3.Understand tools like LEX and YACC

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

416	B.Sc(CS)	Semester –VI	CS-369	Practical Course based on CS 3	1. To Learn database Programming using Java 2. Understand and Create dynamic web pagesusing Servlets and JSP. 3. Work with basics of framework to develop secure web applications
417	B.Sc(CS)	Semester –VI	CS-3610	Software Testing Tools	1.To understand various software testing methods and strategies. 2.To understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 3.To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing tools used in the software industries.
418	B.Sc(CS)	Semester –VI	CS-3611	Project	1. The students work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, implementation, testing, and the final reporting
419	B. Sc.		MB- 351	Medical Microbioloy- I	Students can learn about different bacterial pathogens, epidemiology, and diseases of human body systems.
420	B. Sc.		MB- 352	Immunology – I	1.Students 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, Transplantation and Immunity.

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

421	B. Sc.		MB-353	Enzymology	Student are able to understand about enzymes, enzyme assays, they gain knowledge about methods of purification of enzymes, Students studies about enzyme kinetics and calculate Vmax,Km, Kcat values, They are able to tell different methods of enzyme immobilization.
422	B.SC		MB- 354	Genetics	Student acquires 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	Students 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 QA and QC.
424	B.SC		MB-356	Agriculture Microbiology	Students learn about objectives and applications of Agriculture microbiology. They will learn about role of soil micro-organisms in agriculture. Students gain knowledge of Agriculture Technology
425	B.SC		MB- 3511	Dairy Microbiology	Students will learn about dairy developments in India. Students will understand milk chemistry and microbiology, they will learn about spoilage of milk and milk preservation methods, milk born infections. Student will come to know techniques of Pasteurization and milk analysis.
426	B.SC		MB-3510	Marine microbiology	Students will get awareness of unseen and unexplored niche of marine ecosystem of microbes. To acquire advances in the knowledge of marine microbes and marine ecology. To learn the field research on marine processes and laboratory research on microorganisms. To comprehend the role of marine microbes in bioremediation and bioprospecting. To avail career opportunities in marine education, industry and research.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

427	BS.C		MB- 357	Practical course – I Based on MB-351 MB-352	1. Students can able to isolate and identify pathogens from clinicalsamples. 2. They can perform hematology and hemogram analysis. 3. They could able to perform epidemiologicalsurveys.
428	BS.C		MB- 358	Practical course – II Based on MB-353 MB-354	1. Students can learn clinical biochemistryexperiments. 2. They can analyseproteins and carbohydrates qualitatively 3. Student are able to make buffers, study enzyme kinetics and calculate Vmax, Km, Kcat values. 4. They can make buffers, isolate genomic DNA, Plasmid DNA, could perform gelelectrophoresis.
429	BS.C		MB- 359	Practical course -III Based on MB-355 MB-356	1. Students are able to perform biochemical assays for vitamin andantibiotic, 2. They can able to cultivate lactic acid bacteria, Bio- inoculants, Pesticide degrader. 3. Students can learn different milktest. 4. They can able to synthesize nanoparticles.
430	B.SC		MB- 361	Medical Microbiology – II	Students can learn about chemotherapy, antibiotic resistance, and viral, fungal and protozoan pathogens.
431	B.SC		MB- 362	Immunology-II	Students can learn about Humoral immune response ,Cell mediated immune response ,Hypersensitivity ,Autoimmunity , Autoimmune disease, Immunodeficiency
432	B.SC		MB- 363	Metabolism	Students learn about Membrane transport mechanisms, Bioenergetics and laws of thermodynamics. They understand Biosynthesis and Degradation of macromolecules. They could able to understand photosynthesis process in bacteria.

Patil 6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

433	B.SC		MB- 364	Molecular Biology	Student gain knowledge of methods of gene transfer by transformation, transduction and conjugation, They understand how to generate rDNA molecule, They can learn about important tools used in rDNA technology.
434	B.SC		MB- 365	Fermentation Technology - II	Here the students can 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 between Solid State Fermentation and Submerged Fermentation.
435	B.SC		MB- 366	Food Microbiology	To describe food safety problems and solutions in India and global scale. Identify and classify types ofmicroorganisms 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 food fermentation.
436	B.SC		MB-3610	Waste management	Students will understand waste management and it practicable applicability. To assess the magnitude and influence of hazardous content of waste, pollution of waters and waste water treatment technologies. Students will learn the design and working of treatment plants and methods used for liquid and solid waste treatment.
437	B.SC		MB-3611	Nano-biotechnology	Students will understand design, development and application of Nanomaterials and their application in, nanodevices.To learn fundamentals of nanotechnology as to Synthesis and characterization techniques ofnanoparticles.□ To acquire knowledge of applications of nano-materials in different disciplines of human life.□ To compare the merits of using nanotechnology with existing technologies.□

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

438	B.SC		MB-367	Practical course I Based on Diagnostic Microbiology and Immunology	Here students will 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	Students will 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	Here students will get 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	1.This course gives idea about microbial classification.
442	M.Sc	Semester –I	Mb 502	Quantitative biology	2.Students get knowledge about quantitative analysis of the survey. report and the data collected, comparative account of the data.
443	M.Sc	Semester –I	MB 503	Biochemistry and Metabolism	3.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	Knowledge about fungal classification. As well as idea about the extreme conditions like temp , pH ,moisture where the microorganisms can grow.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

445	M.Sc	Semester –I	MBPE11	Practical based on Fungal sy	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)	Practicals based on Buffer preparation, Role of buffer in media preparation, Different techniques like U.V. Spectrophotometry, electrophoresis, chromatography etc.
447	M.Sc	Semester –II	MB 601	Instrumentation and biophys	Principle and techniques like different types of chromatography, Electrophoresis,HPLC,Colorimetry , U. V. Spectrometry etc.
448	M.Sc	Semester –II	Mb 602	Molecular Biology	Methods of transcription and translations in prokaryotes and eukaryotes etc. Cell division and cell cycle control by CDK Cyclins etc’
449	M.Sc	Semester –II	MB 603	Enzymology ,Bioenergetics and Metabolism	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	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	Preparation of selective media for the isolation and identification of symbiotic and nonsymbotic bacteria , their confirmation, cell division steps etc.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

452	M.Sc	Semester –II	MBCP 2	Molecular biology, Enzymology and instrumentation techniques (Practical based on Complusory theory credits)	Practicals related to plasmid DNA extraction, Genomic DNA extraction, Transformation , Plasmid curing , Restriction endonuclease. To calculate enzyme activity , and specific activity of an enzyme, their purification methods.
453	M.Sc	Semester –III	MB 701	Immunology	Students get knowledge about Immune system mechanism , how the immune system acts against tumor and cancer cell. What are biological response modifiers.etc
454	M.Sc	Semester –III	Mb 702	Molecular Biology	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	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	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	Specific media for the preparation cell line and cell cultre, role of each and every content in the medium
458	M.Sc	Semester –III	MBCP 3	(Practical based on Complusory theory credits)	Identification and Isolation of various pathogenic organism. Precipitation and agglutination. Qualitative and quatitative analysis of Antigen and Antibody etc.

6.7.22
ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.

459	M.Sc	Semester –IV	MB 801	Pharmaceutical Microbiology	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	Different method used in fermentation industry. Batch fermentation , Continuous fermentation. Fed batch fermentation. Importatnt parts used in fermenter.
461	M.Sc	Semester –IV	MBTE 41	Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	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.	S.O.P. methods of various instruments like incubator , Hot air oven ,Auto clave. 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 techno	Testing of MIC and MBC , 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	Research project should be completed by a postgraduate student. They get the knowledge about to check proper research paper related to our topic. How to apply statistical analysis by ANNOVA or T test. How to prepare final thesis etc.

6.7.22

ACTING PRINCIPAL
Samaj Bhushan Baburao alias Appasaheb
Jedhe Arts, Commerce & Science College
Pune-411 002.