

1.1 List of courses offered across all programs during last five years

Program code	Program Name	Course code	Course Name	Year of introduction
F.Y.B.A.				
Compulsory English(Visionary Gleam)	B.A	B.A. Eng-17	1017	1970-71
Marathi(Upayojit Marathi)	B.A.	B.A. Mar-17	1027	
Politics (Indian Government and Politics)	B.A	B.A. Pol-17	1167	
Geography(Elements of Geomorphology)	B.A	B.A. Geo-17	1207	
History(Shivaji and his Times)	B.A	B.A. His-17	1177	
Economics(Indian Economy Probles and prospe)	B.A	B.A. Eco-17	1157	
Optional English(English Literature and Language)	B.A	B.A. O-Eng-17	1337	2005-06
S.Y.B.A.				
English				
Compulsory English(Literary Landscapes)	B.A	B.A. Eng-18	2017	1971-72
Study of English Language and Literatur-G-2	B.A	B.A. Eng-18	2337	2006-07
Apreciating Drama-S-1	B.A	B.A. Eng-18	2338	
Apreciating Poerty-S-2	B.A	B.A. Eng-18	2339	
Marathi				
Adhunik Marathi Sahitya ani Upayojit Marathi-G2	B.A	B.A. Mar-18	2027	1971-72
Marathi Sahityatil Vividh Sahitya Prakar-S1	B.A	B.A. Mar-18	2028	2005-06
Arvachin Marathi Wangmayacha Etihas-S-2	B.A	B.A. Mar-18	2029	
Politics				
Government and Politics of UK and USA-G2	B.A	B.A. Pol-18	2167	1971-72
Western Political Thought-S1	B.A	B.A. Pol-18	2168	1974-75
Political Sociology-S2	B.A	B.A. Pol-18	2169	
Geography				
Geography of Disaster Management-G2	B.A	B.A. Geo-18	2207	1971-72
Tourism Geography-S1	B.A	B.A. Geo-18	2208	2016-17
Fundamendals of Geographical Analysis-S2	B.A	B.A. Geo-18	2209	
History				
Modern India-G2	B.A	B.A. His-18	2177	1971-72
Anciant India (3000B.C.to 1200A.D)	B.A	B.A. His-18	2178	1974-75
History of Modern Maharashtra	B.A	B.A. His-18	2179	
Economics				

Modern Banking	B.A	B.A. Eco-18	2157	1971-72
Micro Economics-S1	B.A	B.A. Eco-18	2158	1974-75
Macro Economics	B.A	B.A. Eco-18	2159	
T.Y.B.A.				
English				
Compulsory English(Literary Pinnacles)	B.A	B.A. Eng-19	3017	1972-73
Advanced Study of English Language and Literature-G3	B.A	B.A. Eng-19	3337	2007-08
Appreciating Novels-S3	B.A	B.A. Eng-19	3338	
Introduction to Literary Criticism-S4	B.A	B.A. Eng-19	3339	
Marathi				
Adhunic Marathi Sahitya aani Vyavharic Upayojit Marathi-G3	B.A	B.A. Mar-19	3027	1972-73
Sahitya Vichar-S3	B.A	B.A. Mar-19	3028	2005-06
Bhasha Vidnyan-Varnanatmak aani Etihas-S4	B.A	B.A. Mar-19	3029	
Politics				
Political Ideology-G3	B.A	B.A. Pol-19	3167	1972-73
Public Administration-S3	B.A	B.A. Pol-19	3168	1975-76
International Politics-S4	B.A	B.A. Pol-19	3169	
Geography				
Human Geography-G3	B.A	B.A. Geo-19	3207	1972-73
Agriculture Geography-S3	B.A	B.A. Geo-19	3208	2017-18
Techniques in Spatial Analysis-S4	B.A	B.A. Geo-19	3209	
History				
History of World in 20th Century(1914 to 1992)	B.A	B.A. His-19	3177	1972-73
Introduction to History	B.A	B.A. His-19	3178	1975-76
History of India 20 th Century(1914 to 1992)	B.A	B.A. His-19	3179	
Economics				
Economic Development and Planning	B.A	B.A. Eco-19	3157	1972-73
International Economics	B.A	B.A. Eco-19	3158	1975-76
Elementary Quantitative Technique	B.A	B.A. Eco-19	3159	
Commerce				
F.Y.B.Com				
Compulsory English-Pathway to Success	B.Com.	B.Com-20	101	
Financial Accounting	B.Com.	B.Com-20	102	
Business Economics (Micro)	B.Com.	B.Com-20	103	

Business Mathematics and Statistics	B.Com.	B.Com-20	104	1970-71
Commercial Geography	B.Com.	B.Com-20	105	
Business Environment & Entrepreneurship	B.Com.	B.Com-20	106 A	
Essentials of E-Commerce	B.Com.	B.Com-20	106 B	
Marathi(Upayojit Marathi)	B.Com.	B.Com-20	107	
S.Y.B.Com				
Business Communication.	B.Com.	B.Com-21	201	1971-72
Corporate Accounting.	B.Com.	B.Com-21	202	
Business Economics (Macro)	B.Com.	B.Com-21	203	
Business Management	B.Com.	B.Com-21	204	
Elements of Company Law	B.Com.	B.Com-21	205	
Business Entrepreneurship	B.Com.	B.Com-21	206A	
Cost & Works Accounting	B.Com.	B.Com-21	206B	2016-17
T.Y.B.Com				
Business Regulatory Framework (Mercantile Law)	B.Com.	B.Com-22	301	1972-73
Advanced Accounting.	B.Com.	B.Com-22	302	
Indian & Global Economic Development	B.Com.	B.Com-22	303	
Auditing & Taxation	B.Com.	B.Com-22	304	
Business Entrepreneurship P-II	B.Com.	B.Com-22	305A	
Business Entrepreneurship P-III	B.Com.	B.Com-22	306A	
Cost & Works Accounting P-II	B.Com.	B.Com-22	305B	2017-18
Cost & Works Accounting P-III	B.Com.	B.Com-22	306B	
F.Y.B.Sc.				
Mathematics				
MT 101 (Algebra and Geometry)	B.Sc.	B.Sc.-23	MT 101	2010-11
MT 102 (Calculus and Differential equations)	B.Sc.	B.Sc.-23	MT 102	
MT 103 (Mathematics Practicals)	B.Sc.	B.Sc.-23	MT 103	
Physics				
Paper I Section I (For Term 1): Mechanics	B.Sc.	B.Sc.-23	PHY 101	
Paper I Section II (For Term 2): Heat and Thermodynamics	B.Sc.	B.Sc.-23	PHY 101	
Paper II Section I (For Term 1): Physics Principles and Applications	B.Sc.	B.Sc.-23	PHY 102	
Paper II Section II (For Term 2): Electromagnetics	B.Sc.	B.Sc.-23	PHY 102	
Paper III (For Term 1 and Term 2): Practical	B.Sc.	B.Sc.-23	PHY 103	
Chemistry				
Paper-I (First term)Physical and	B.Sc.	B.Sc.-23	CH-111	

Paper - II (First term) Physical and Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-112	2010-11
Paper -I (Second term) Physical and Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-121	
Paper -II (Second term) Organic and Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-122	
Paper -III (First & Second Term) Practical	B.Sc.	B.Sc.-23	CH-123	
Botany				
Theory Paper I BO 111 (First term) Plant Diversity	B.Sc.	B.Sc.-23	BO 111	
Theory Paper II BO 112 (First term) Industrial Botany I	B.Sc.	B.Sc.-23	BO 112	
Theory Paper I BO 111 (Second term) Plant Morphology and Anatomy	B.Sc.	B.Sc.-23	BO 111	
Theory Paper II BO 112 (Second term) Industrial Botany II	B.Sc.	B.Sc.-23	BO 112	
Practical Paper III BO 113 (First & Second Term) Practical	B.Sc.	B.Sc.-23	BO 113	
Electronics				
Theory Paper I (EL-101) (First term) Principles of Analog Electronics	B.Sc.	B.Sc.-23	EL-101	
Theory Paper II (EL-102) (First term) Principles of Digital Electronics	B.Sc.	B.Sc.-23	EL-102	
Theory Paper I (EL-101) (Second term) Principles of Analog Electronics	B.Sc.	B.Sc.-23	EL-101	
Theory Paper II (EL-102) (Second term) Principles of Digital Electronics	B.Sc.	B.Sc.-23	EL-102	
Practical Paper III (EL-103) (First & Second Term) Practical	B.Sc.	B.Sc.-23	EL-103	
Zoology				
Theory Paper I ZY-101 (First term) Animal Systematics and Diversity -I	B.Sc.	B.Sc.-23	ZY-101	2014-15
Theory Paper II ZY-102 (First term) Fundamentals of Cell Biology	B.Sc.	B.Sc.-23	ZY-102	
Theory Paper I ZY-101 (Second term) Animal Systematics and Diversity -II	B.Sc.	B.Sc.-23	ZY-101	
Theory Paper II ZY-102 (Second term) Genetics	B.Sc.	B.Sc.-23	ZY-102	

Practical Paper III ZY-103 (First & Second Term) Practical	B.Sc.	B.Sc.-23	ZY-103
S.Y.B.Sc.			
Mathmatics			
Paper I (First Term)MT 211 Multivariable Calculus I	B.Sc.	B.Sc.-23	MT 211
Paper II (First Term) MT 212(A) Discrete Mathematics MT212(B) Laplace Transform and Fourier Series	B.Sc.	B.Sc.-23	MT 212
Paper III MT213 Practical based on MT211,MT212	B.Sc.	B.Sc.-23	MT213
Paper I (Second Term) MT 221 Linear Algebra	B.Sc.	B.Sc.-23	MT 221
Paper II(Second Term)(A) MT 222 Multivariable Calculus II (B) MT222 Numerical methods and it's applications	B.Sc.	B.Sc.-23	MT 222
MT223 Practical based on MT221,MT222	B.Sc.	B.Sc.-23	MT223
Physics			
Paper I (First Semester)(PHY211) Mathematical Methods in Physics I	B.Sc.	B.Sc.-23	PHY211
Paper II (First Semester)(PHY 212) Electronics I OR (PHY 212) Instrumentation	B.Sc.	B.Sc.-23	PHY 212
Paper I (Second Semester)(PHY221) Oscillations, Waves and Sound	B.Sc.	B.Sc.-23	PHY221
Paper II (PHY 222) Optics	B.Sc.	B.Sc.-23	PHY 222
PAPER III (SEMESTER I and II) PHY223: PRACTICAL COURSE	B.Sc.	B.Sc.-23	PHY223
Chemistry			
Paper- I (Semester-I)CH-211 : Physical & Analytical Chemistry	B.Sc.	B.Sc.-23	CH-211
Paper- II (Semester-I)CH-212 : Organic & Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-212
Paper- I (Semester-II)CH-221 : Physical & Analytical Chemistry	B.Sc.	B.Sc.-23	CH-221
Paper- II (Semester-II)CH-222 : Organic & Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-222
Paper-III (Annual) CH- 223: Practical	B.Sc.	B.Sc.-23	CH- 223
Botany			

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Paper I (Semester-I) BO-211: Taxonomy of Angiosperms and Plant community	B.Sc.	B.Sc.-23	BO-211	
Paper II (Semester-I) BO-212:Plant Physiology	B.Sc.	B.Sc.-23	BO-212	
Paper I (Semester-II) BO-221: Plant Anatomy and Embryology	B.Sc.	B.Sc.-23	BO-221	
Paper II (Semester-II) BO-222: Plant Biotechnology	B.Sc.	B.Sc.-23	BO-222	
Paper III (Practical Course) Practical based on theory courses (Paper I and Paper II)	B.Sc.	B.Sc.-23		
Electronics				
Paper-I (Semester-I) : Analog Circuit Design (EL 211)	B.Sc.	B.Sc.-23	EL 211	
Paper-II (Semester-I): Digital Circuit Design (EL 212)	B.Sc.	B.Sc.-23	EL 212	
Paper-I (Semester-II): Electronic Instrumentation (EL221)	B.Sc.	B.Sc.-23	EL221	
Paper-II (Semester-II): Communication Electronics (EL222)	B.Sc.	B.Sc.-23	EL222	
Paper- III (Semester- I & II): Practical Course (EL 203)	B.Sc.	B.Sc.-23	EL 203	
Zoology				
Paper I (Semester-I) - ZY-211: Animal Systematics and Diversity – III	B.Sc.	B.Sc.-23	ZY-211	2015-16
Paper II (Semester-I)- ZY-212: Applied Zoology – I	B.Sc.	B.Sc.-23	ZY-212	
Paper I (Semester-II)- ZY-221: Animal Systematics and Diversity – IV	B.Sc.	B.Sc.-23	ZY-221	
Paper II (Semester-II)- ZY-222: Applied Zoology – II	B.Sc.	B.Sc.-23	ZY-222	
Paper III- ZY-223: Practical course (Corresponding to Theory papers)	B.Sc.	B.Sc.-23	ZY-223	
T.Y.B.Sc.				
Mathmatics				
Paper-I (Semester-III) MT 331 : Metric Spaces	B.Sc.	B.Sc.-23	MT 331	

Paper-II (Semester-III)MT 332 : Real Analysis-I	B.Sc.	B.Sc.-23	MT 332
Paper-III (Semester-III)MT 333 : Problem Course on MT 331 and MT 332	B.Sc.	B.Sc.-23	MT 333
Paper-IV (Semester-III)MT 334 : Group Theory	B.Sc.	B.Sc.-23	MT 334
Paper-V (Semester-III)MT 335 : Ordinary Differential Equations	B.Sc.	B.Sc.-23	MT 335
Paper-VI (Semester-III)MT 336 : Problem Course on MT 334 and MT 334	B.Sc.	B.Sc.-23	MT 336
Paper-VII (Any two of A to F) (Semester-III)MT 337:A. Operations Research	B.Sc.	B.Sc.-23	MT 337:A
Paper-VII (Any two of A to F) (Semester-III)MT 337:B. Dynamical System	B.Sc.	B.Sc.-23	MT 337:B
Paper-VII (Any two of A to F) (Semester-III)MT 337: C C- Programming I	B.Sc.	B.Sc.-23	MT 337: C
Paper-VII (Any two of A to F) (Semester-III)MT 337:D. Lattice Theory	B.Sc.	B.Sc.-23	MT 337:D
Paper-VII (Any two of A to F) (Semester-III)MT 337: E Financial Mathematics	B.Sc.	B.Sc.-23	MT 337:E
Paper-VII (Any two of A to F) (Semester-III) MT 337:F Number Theory	B.Sc.	B.Sc.-23	MT 337:F
Paper-VIII (Semester-III)MT 338: Practical based on papers selected from 337 A to 337 F	B.Sc.	B.Sc.-23	MT 338
Paper-I (Semester-IV)MT 341: Complex Analysis	B.Sc.	B.Sc.-23	MT 341
Paper-II (Semester-IV) MT 342: Real Analysis-II	B.Sc.	B.Sc.-23	MT 342
Paper-III (Semester-IV) MT 343: Problem Course on MT 341 and MT 342	B.Sc.	B.Sc.-23	MT 343
Paper-IV(Semester-IV) MT 344: Ring Theory	B.Sc.	B.Sc.-23	MT 344
Paper-V (Semester-IV) MT 345: Partial Differential Equations	B.Sc.	B.Sc.-23	MT 345
Paper-VI (Semester-IV)MT 346: Problem Course on MT 344 and MT 345	B.Sc.	B.Sc.-23	MT 346

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Paper-VII (Any two of A to F)(Semester-IV)MT 347: A Optimization Techniques	B.Sc.	B.Sc.-23	MT 347: A
Paper-VII (Any two of A to F)(Semester-IV)MT 347:B Differential Geometry	B.Sc.	B.Sc.-23	MT 347:B
Paper-VII (Any two of A to F)(Semester-IV)MT 347 :C C- Programming II	B.Sc.	B.Sc.-23	MT 347 :C
Paper-VII (Any two of A to F)(Semester-IV)MT 347: D Graph theory	B.Sc.	B.Sc.-23	MT 347: D
Paper-VII (Any two of A to F)(Semester-IV)MT 347: E Lebesgue Integration	B.Sc.	B.Sc.-23	MT 347: E
Paper-VII (Any two of A to F)(Semester-IV)MT 347: F Computational Geometry	B.Sc.	B.Sc.-23	MT 347: F
Paper-VIII(Semester-IV)MT 348 : Practical based on papers selected from 347 A to 347 F	B.Sc.	B.Sc.-23	MT 348
Physics			
Paper-I (Semester-III) PH-331: Mathematical Methods in Physics II	B.Sc.	B.Sc.-23	PH-331
Paper-II (Semester-III) PH 332: Solid State Physics	B.Sc.	B.Sc.-23	PH 332
Paper-III (Semester-III)PH-333: Classical Mechanics	B.Sc.	B.Sc.-23	PH-333
Paper-IV (Semester-III)PH-334: Atomic and Molecular Physics	B.Sc.	B.Sc.-23	PH-334
Paper-V (Semester-III)PH-335: Computational Physics	B.Sc.	B.Sc.-23	PH-335
Paper-VI PH-336 Elective I (Any one of A to F) (Semester-III) A: Astronomy and Astrophysics	B.Sc.	B.Sc.-23	PH-336:A
Paper-VI (Any one of A to F) (Semester-III) B: Elements of Materials Science	B.Sc.	B.Sc.-23	PH-336:B
Paper-VI (Any one of A to F) (Semester-III) C: Motion Picture Physics	B.Sc.	B.Sc.-23	PH-336:C
Paper-VI (Any one of A to F) (Semester-III) D: Biophysics	B.Sc.	B.Sc.-23	PH-336:D
Paper-VI (Any one of A to F) (Semester-III) E: Renewable Energy Sources	B.Sc.	B.Sc.-23	PH-336:E

Paper-VI (Any one of A to F) (Semester-III) F: Applied Optics	B.Sc.	B.Sc.-23	PH-336:F
Paper-VII (Semester-III & IV)PH-347: Laboratory Course I	B.Sc.	B.Sc.-23	PH-347
Paper-VIII (Semester-III & IV)PH-348: Laboratory Course II	B.Sc.	B.Sc.-23	PH-348
Paper-IX (Semester-III & IV)PH-349: Laboratory Course III (Project)	B.Sc.	B.Sc.-23	PH-349
Paper-I (Semester-IV) PH-341 Classical Electrodynamics	B.Sc.	B.Sc.-23	PH-341
Paper-II (Semester-IV) PH-342: Quantum Mechanics	B.Sc.	B.Sc.-23	PH-342
Paper-III (Semester-IV)PH-343: Thermodynamics and Statistical Physics	B.Sc.	B.Sc.-23	PH-343
Paper-IV (Semester-IV)PH-344: Nuclear Physics	B.Sc.	B.Sc.-23	PH-344
Paper-V (Semester-IV)PH-345: Electronics/Advanced Electronics	B.Sc.	B.Sc.-23	PH-345
Paper-VI PH-346 Elective II (Any one of G to L) (Semester-IV)G: Medical Electronics	B.Sc.	B.Sc.-23	PH-346:G
Paper-VI (Any one of G to L) (Semester-IV)H: Physics of Nanomaterials	B.Sc.	B.Sc.-23	PH-346:H
Paper-VI (Any one of G to L) (Semester-IV) I: Microcontrollers	B.Sc.	B.Sc.-23	PH-346:I
Paper-VI (Any one of G to L) (Semester-IV) J: Electro Acoustics and Entertainment Electronics	B.Sc.	B.Sc.-23	PH-346:J
Paper-VI (Any one of G to L) (Semester-IV) K: Lasers	B.Sc.	B.Sc.-23	PH-346:K
Paper-VI (Any one of G to L) (Semester-IV) L: Radiation Physics	B.Sc.	B.Sc.-23	PH-346:L
Chemistry	B.Sc.		
Paper-I (Semester-III) CH-331: Physical Chemistry	B.Sc.	B.Sc.-23	CH-331
Paper-II (Semester-III) CH-332: Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-332
Paper-III (Semester-III) CH-333:	B.Sc.	B.Sc.-23	CH-333
Paper-IV (Semester-III) CH-334: Analytical Chemistry	B.Sc.	B.Sc.-23	CH-334

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Paper-V (Semester-III) CH-335: Industrial Chemistry	B.Sc.	B.Sc.-23	CH-335
Paper-VI (Semester-III) OPTIONAL COURSE (Any one of A to E) CH-336- A Nuclear Chemistry	B.Sc.	B.Sc.-23	CH-336:A
Paper-VI (Semester-III) OPTIONAL COURSE (Any one of A to E)CH-336- B Polymer Chemistry	B.Sc.	B.Sc.-23	CH-336:B
Paper-VI (Semester-III) OPTIONAL COURSE (Any one of A to E)CH-336- C Introduction to Biochemistry and Molecular Biology	B.Sc.	B.Sc.-23	CH-336:C
Paper-VI (Semester-III) OPTIONAL COURSE (Any one of A to E)CH-336- D Environmental and Green Chemistry	B.Sc.	B.Sc.-23	CH-336:D
Paper-VI (Semester-III) OPTIONAL COURSE (Any one of A to E)CH-336-E	B.Sc.	B.Sc.-23	CH-336:E
Paper-I (Semester-IV) CH-341: Physical Chemistry	B.Sc.	B.Sc.-23	CH-341
Paper-II (Semester-IV) CH-342: Inorganic Chemistry	B.Sc.	B.Sc.-23	CH-342
Paper-III (Semester-IV) CH-343:	B.Sc.	B.Sc.-23	CH-343
Paper-IV (Semester-IV) CH-344: Analytical Chemistry	B.Sc.	B.Sc.-23	CH-344
Paper-V (Semester-IV) CH-345: Industrial Chemistry	B.Sc.	B.Sc.-23	CH-345
Paper-VI (Semester-IV) OPTIONAL COURSE (Any one of A to E) CH-346- A Nuclear Chemistry	B.Sc.	B.Sc.-23	CH-346:A
Paper-VI (Semester-IV) OPTIONAL COURSE (Any one of A to E) CH-346- B Polymer Chemistry	B.Sc.	B.Sc.-23	CH-346:B
Paper-VI (Semester-IV) OPTIONAL COURSE (Any one of A to E) CH-346- C Introduction to Biochemistry and Molecular Biology	B.Sc.	B.Sc.-23	CH-346:C
Paper-VI (Semester-IV) OPTIONAL COURSE (Any one of A to E) CH-346- D Environmental and Green Chemistry	B.Sc.	B.Sc.-23	CH-346:D

Paper-VI (Semester-IV) OPTIONAL COURSE (Any one of A to E) CH-346-E Dairy Chemistry	B.Sc.	B.Sc.-23	CH-346:E
Paper-VII (Semester-III & IV)CH-347: Physical Chemistry Practicals	B.Sc.	B.Sc.-23	CH-347
Paper-VIII (Semester-III & IV)CH-348: Inorganic Chemistry Practicals	B.Sc.	B.Sc.-23	CH-348
Paper-IX (Semester-III & IV)CH-349: Organic Chemistry Practicals	B.Sc.	B.Sc.-23	CH-349
Botany	B.Sc.		
Paper-I (Semester-III) BO. 331	B.Sc.	B.Sc.-23	BO. 331
Paper-II (Semester-III) BO. 332 Cell and Molecular Biology	B.Sc.	B.Sc.-23	BO. 332
Paper-III (Semester-III) BO. 333 Genetics and Evolution	B.Sc.	B.Sc.-23	BO. 333
Paper-IV (Semester-III) BO. 334 Spermatophyta and Palaeobotany	B.Sc.	B.Sc.-23	BO. 334
Paper-V (Semester-III) BO. 335 Horticulture and Floriculture	B.Sc.	B.Sc.-23	BO. 335
Paper-VI (Semester-III)BO. 336 Computational Botany	B.Sc.	B.Sc.-23	BO. 336
Paper-I (Semester-IV) BO.341 Plant Physiology and Biochemistry	B.Sc.	B.Sc.-23	BO.341
Paper-II (Semester-IV) BO.342 Plant Ecology and Biodiversity	B.Sc.	B.Sc.-23	BO.342
Paper-III (Semester-IV) BO.343 Plant Pathology	B.Sc.	B.Sc.-23	BO.343
Paper-IV (Semester-IV) BO.344 Medicinal and Economic Botany	B.Sc.	B.Sc.-23	BO.344
Paper-V (Semester-IV) BO.345 Plant Biotechnology	B.Sc.	B.Sc.-23	BO.345
Paper-VI (Semester-IV) BO.346 Plant Breeding and Seed Technology	B.Sc.	B.Sc.-23	BO.346
Paper-VII (Semester-III & IV)Practical I BO.347	B.Sc.	B.Sc.-23	BO.347
Paper-VIII (Semester-III & IV)Practical II BO.348	B.Sc.	B.Sc.-23	BO.348

Paper-IX (Semester-III & IV) Practical III BO.349	B.Sc.	B.Sc.-23	BO.349
Electronics	B.Sc.		
Paper I (Semester-III) EL-331 Advanced Digital System Design	B.Sc.	B.Sc.-23	EL-331
Paper-II (Semester-III) EL-332 Microcontrollers	B.Sc.	B.Sc.-23	EL-332
Paper III (Semester-III)EL-333 Analog Circuit Design and Applications of Linear IC's	B.Sc.	B.Sc.-23	EL-333
Paper IV (Semester-III)EL-334 Principles of Semiconductors Devices	B.Sc.	B.Sc.-23	EL-334
Paper V (Semester-III)EL-335 'C' Programming	B.Sc.	B.Sc.-23	EL-335
Paper VI (Semester-III) (Any one of A to B) EL-336 A) Optional Course Fiber Optic Communication	B.Sc.	B.Sc.-23	EL-336
Paper VI (Semester-III) (Any one of A to B)EL-336 B) Electronic Product Design and Entrepreneurship	B.Sc.	B.Sc.-23	EL-336
Paper I (Semester-IV) EL-341 Advanced Communication Systems	B.Sc.	B.Sc.-23	EL-341
Paper II (Semester-IV) EL-342 Microcontroller and its Applications	B.Sc.	B.Sc.-23	EL-342
Paper III (Semester-IV) EL-343 Power Electronics	B.Sc.	B.Sc.-23	EL-343
Paper IV (Semester-IV) EL-344 Foundations of Nanoelectronics	B.Sc.	B.Sc.-23	EL-344
Paper V (Semester-IV) EL-345 Mathematical Methods and Circuit Analysis using MATLAB	B.Sc.	B.Sc.-23	EL-345
Paper VI (Semester-IV) (Any one of A to B)EL-346 A)Optional Course Industrial Automation	B.Sc.	B.Sc.-23	EL-346
Paper VI (Semester-IV) (Any one of A to B)EL-346 B)Consumer Electronics	B.Sc.	B.Sc.-23	EL-346
Paper –VII (Semester-III & IV) EL- 347 Practical Course I	B.Sc.	B.Sc.-23	EL-347

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Paper –VIII (Semester-III & IV) EL-348 Practical Course II	B.Sc.	B.Sc.-23	EL-348	
Paper –IX (Semester-III & IV) EL-349 Practical Course (Project)	B.Sc.	B.Sc.-23	EL-349	
Zoology	B.Sc.			
Paper I (Semester-III) ZY-331 Animal Systematics and Diversity V	B.Sc.	B.Sc.-23	ZY-331	2016-17
Paper II (Semester-III)ZY-332 Mammalian Histology	B.Sc.	B.Sc.-23	ZY-332	
Paper III (Semester-III)ZY-333	B.Sc.	B.Sc.-23	ZY-333	
Paper IV(Semester-III)ZY-334 Environmental Biology and Toxicology	B.Sc.	B.Sc.-23	ZY-334	
Paper V (Semester-III) ZY-335 Parasitology	B.Sc.	B.Sc.-23	ZY-335	
Paper VI (Semester-III)ZY-336 General Pathology or Cell Biology	B.Sc.	B.Sc.-23	ZY-336	
Paper I (Semester-IV) ZY-341 Biological Techniques	B.Sc.	B.Sc.-23	ZY-341	
Paper II (Semester-IV) ZY-342 Mammalian Physiology and Endocrinology	B.Sc.	B.Sc.-23	ZY-342	
Paper III (Semester-IV) ZY-343 Genetics and Molecular Biology	B.Sc.	B.Sc.-23	ZY-343	
Paper IV (Semester-IV) ZY-344 Organic Evolution	B.Sc.	B.Sc.-23	ZY-344	
Paper V (Semester-IV) ZY-345	B.Sc.	B.Sc.-23	ZY-345	
Paper VI (Semester-IV) ZY-346 Public Health and Hygiene or Medical Entomology	B.Sc.	B.Sc.-23	ZY-346	
Paper VII (Semester III& IV) ZY- 347 Practical Paper I	B.Sc.	B.Sc.-23	ZY- 347	
Paper VIII (Semester III & IV)ZY- 348 Practical Paper II	B.Sc.	B.Sc.-23	ZY- 348	
Paper IX (Semester III & IV) ZY- 349 Practical Paper III	B.Sc.	B.Sc.-23	ZY- 349	
Semester -I M.Sc. Mathematics				
MT-501 Real Analysis	M.Sc. Mathematics	MSc MT-01	10101	2014-15
MT-502 Advanced Calculus	M.Sc. Mathematics	MSc MT-01	10102	2014-15
MT-503 Group Theory	M.Sc. Mathematics	MSc MT-01	10103	2014-15
MT-504 Numerical Analysis	M.Sc. Mathematics	MSc MT-01	10104	2014-15
MT-505 Ordinary Differential Equations	M.Sc. Mathematics	MSc MT-01	10105	2014-15
Semester -II M.Sc. Mathematics				
MT-601 Complex Analysis	M.Sc. Mathematics	MSc MT-01	10201	2014-15

MT-602 Topology	M.Sc. Mathematics	MSc MT-01	10202	2014-15
MT-603 Rings and Modules	M.Sc. Mathematics	MSc MT-01	10203	2014-15
MT-604 Linear Algebra	M.Sc. Mathematics	MSc MT-01	10204	2014-15
MT-605 Partial Differential Equations	M.Sc. Mathematics	MSc MT-01	10205	2014-15
Semester -III M.Sc. Mathematics				
MT-701 Combinatorics	M.Sc. Mathematics	MSc MT-01	10301	2015-16
MT-702 Field Theory	M.Sc. Mathematics	MSc MT-01	10302	2015-16
MT-703 Functional Analysis	M.Sc. Mathematics	MSc MT-01	10303	2015-16
MT-704 Graph Theory	M.Sc. Mathematics	MSc MT-01	10304	2015-16
MT-705 Topics in Analysis	M.Sc. Mathematics	MSc MT-01	10307	2015-16
Skill Development-I	M.Sc. Mathematics	MSc MT-01	10394	2015-16
Semester-IV M.Sc. Mathematics				
MT-801 Number Theory	M.Sc. Mathematics	MSc MT-01	10401	2015-16
MT-802 Differential Geometry	M.Sc. Mathematics	MSc MT-01	10402	2015-16
MT-803 Fourier Analysis and Boundary Value problems	M.Sc. Mathematics	MSc MT-01	10403	2015-16
MT-804 Lattice Theory	M.Sc. Mathematics	MSc MT-01	10404	2015-16
MT-805 Topics in Analysis	M.Sc. Mathematics	MSc MT-01	10407	2015-16
Skill Development-II	M.Sc. Mathematics	MSc MT-01	10494	2015-16
Semester -I M.Sc. Physics				
PHYUT-501 Classical Mechanics (4 Credits)	M.Sc. Physics	MSc PHY-02	20111	2016-17
PHYUT-502 Electronics (4 Credits)	M.Sc. Physics	MSc PHY-02	20112	2016-17
PHYUT-503 Mathematical Methods in Physics (4Credits)	M.Sc. Physics	MSc PHY-02	20113	2016-17
PHYUT-504 Atoms and Molecules (4 Credits)	M.Sc. Physics	MSc PHY-02	20114	2016-17
PHYUT-505 Experimental Techniques in Physics I(4 Credits)	M.Sc. Physics	MSc PHY-02	20115	2016-17
PHYUP-506 Physics Lab I (5 Credits)	M.Sc. Physics	MSc PHY-02	20116	2016-17
Semester -II M.Sc. Physics				
PHYUT-601 Electrodynamics (4 Credits)	M.Sc. Physics	MSc PHY-02	20211	2016-17
PHYUT-602 Solid State Physics (4 Credits)	M.Sc. Physics	MSc PHY-02	20212	2016-17
PHYUT-603 Quantum Mechanics I (4 Credits)	M.Sc. Physics	MSc PHY-02	20213	2016-17
PHYUT-604 Lasers (4Credits)	M.Sc. Physics	MSc PHY-02	20214	2016-17
PHYUT-605 Experimental Techniques in Physics-II (4Credits)	M.Sc. Physics	MSc PHY-02	20215	2016-17

PHYUP-606 Physics Lab.-II (5 Credits)	M.Sc. Physics	MSc PHY-02	20216	2016-17
Semester -III M.Sc. Physics				
PHYUT-701 Statistical Mechanics in Physics (4 Credits)	M.Sc. Physics	MSc PHY-02	20321	2017-18
PHYUT-702 Quantum Mechanics (4 Credits)	M.Sc. Physics	MSc PHY-02	20323	2017-18
PHYDT-703 Departmental Course I (4 Credits)	M.Sc. Physics	MSc PHY-02	20329	2017-18
PHYDT-704 Departmental Course II (4 Credits)	M.Sc. Physics	MSc PHY-02	20331	2017-18
PHYDP-705 Special Lab I (4 Credits)	M.Sc. Physics	MSc PHY-02	20324	2017-18
PHYUP-706 Physics Lab III (5 Credits)	M.Sc. Physics	MSc PHY-02	20325	2017-18
Skill Development-I Energy Studies-I	M.Sc. Physics	MSc PHY-02	20394	2017-18
Semester-IV M.Sc. Physics				
PHYUT-801 Nuclear Physics (4 Credits)	M.Sc. Physics	MSc PHY-02	20421	2017-18
PHYUT-802 Material Science (4 Credits)	M.Sc. Physics	MSc PHY-02	20422	2017-18
PHYDT-803 Departmental Course III (4 Credits)	M.Sc. Physics	MSc PHY-02	20430	2017-18
PHYDT-804 Departmental Course IV (4 Credits)	M.Sc. Physics	MSc PHY-02	20428	2017-18
PHYDP-805 Special Lab II (4 Credits)	M.Sc. Physics	MSc PHY-02	20423	2017-18
PHYUP-806 Physics Lab IV: Project (5 Credits)	M.Sc. Physics	MSc PHY-02	20424	2017-18
Skill Development-II Energy Studies-II	M.Sc. Physics	MSc PHY-02	20394	2017-18
(Semester-I) M.Sc. Botany				
BO-1.1 Cryptogamic Botany I- Bryophytes and Pteridophytes	M.Sc. Botany	MSc BO-04	40101	2016-17
BO-1.2 Biochemistry and Plant Physiology	M.Sc. Botany	MSc BO-04	40102	2016-17
BO-1.3 Genetics and Plant Breeding	M.Sc. Botany	MSc BO-04	40103	2016-17
BO-1.4 Botanical Techniques	M.Sc. Botany	MSc BO-04	40104	2016-17
BO-1.5 Practical based on Theory courses (BO-1.1 & BO-1.4)	M.Sc. Botany	MSc BO-04	40105	2016-17
BO-1.6 Practical based on Theory courses (BO-1.2 & BO-1.3)	M.Sc. Botany	MSc BO-04	40106	2016-17
Semester -II M.Sc. Botany				

BO-2.1 Cryptogamic Botany II- Algae and Fungi	M.Sc. Botany	MSc BO-04	40201	2016-17
BO-2.2 Cell Biology and Evolution	M.Sc. Botany	MSc BO-04	40202	2016-17
BO-2.3 Molecular Biology and Genetic Engineering	M.Sc. Botany	MSc BO-04	40203	2016-17
BO-2.4 Plant Ecology and Phytogeography	M.Sc. Botany	MSc BO-04	40204	2016-17
BO-2.5 Practical Based on Theory courses (BO 2.1 & BO 2.2)	M.Sc. Botany	MSc BO-04	40205	2016-17
BO-2.6 Practical Based on Theory courses (BO-2.3 & BO-2.4)	M.Sc. Botany	MSc BO-04	40206	2016-17
(Semester-III) M.Sc. Botany				
BO-3.1 Spermatophytic Botany	M.Sc. Botany	MSc BO-04	40301	2017-18
BO-3.2 Developmental & Economic Botany	M.Sc. Botany	MSc BO-04	40302	2017-18
BO-3.3 Industrial Botany-I	M.Sc. Botany	MSc BO-04	40303	2017-18
BO-3.4 Special Botany Paper (From BO-3.41 to BO-3.50)	M.Sc. Botany	MSc BO-04	40311	2017-18
BO-3.5 Practical Based on Theory courses (BO 3.1,BO3.2 & BO 3.3)	M.Sc. Botany	MSc BO-04	40314	2017-18
BO-3.6 Practical Based on Special Paper From BO-3.41 to BO-3.50	M.Sc. Botany	MSc BO-04	40315	2017-18
Skill Development -I	M.Sc. Botany	MSc BO-04	40394	2017-18
(Semester-IV) M.Sc. Botany				
BO-4.1 Computational Botany	M.Sc. Botany	MSc BO-04	40401	2017-18
BO-4.2 Plant Organism Interaction	M.Sc. Botany	MSc BO-04	40402	2017-18
BO-4.3 Industrial Botany-II	M.Sc. Botany	MSc BO-04	40403	2017-18
BO-4.4 Plant Pathology	M.Sc. Botany	MSc BO-04	40404	2017-18
BO-4.5 Practical based on Theory courses BO-4.1, BO-4.2, BO-4.3 & BO 4.4.	M.Sc. Botany	MSc BO-04	40405	2017-18
BO-4.6 Research Methodology & Summer Training	M.Sc. Botany	MSc BO-04	40406	2017-18
Skill Development -II	M.Sc. Botany	MSc BO-04	40494	2017-18
Semester -I M.Sc. Chemistry				
CHP-110 Fundamentals of Physical Chemistry-I(Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20101	2014-15
CHI-130 Molecular Symmetry and Chemistry (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20102	2014-15
CHO-150 Basic Organic Chemistry (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20103	2014-15

CHA-190 Safety in Chemical Laboratory and Good Laboratory Practices (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20104	2014-15
CHP-107 Practical Course (Physical Chemistry) 24 Practicals (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20105	2014-15
CHI-147 Practical Course (Physical Chemistry) 24 Practicals (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20106	2014-15
Semester -II M.Sc.Chemistry				
CHP-210 Fundamentals of Physical Chemistry II (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20201	2014-15
CHI-230 Coordination and Bioinorganic Chemistry (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20202	2014-15
CHO-250 Synthetic Organic Chemistry and Spectroscopy(Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20203	2014-15
CHA-290 General Chemistry (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20204	2014-15
CHO-247 Practical Courses (Organic Chemistry) (Credits 4)	M.Sc. Chemistry	M.Sc. CHP-04	20205	2014-15
M.Sc.-II (Analytical Chemistry) Semester -III				
CHA-390 (Section I & II) Electro analytical and Radio analytical methods of analysis	M.Sc.Chemistry	M.Sc CHP-04	20301	2017-18
CHA-391 (Section I & II) Pharmaceutical Analysis	M.Sc.Chemistry	M.Sc CHP-04	20302	2017-18
CHA-392 (Section I & II) Adadvanced Analytical Techniques	M.Sc.Chemistry	M.Sc CHP-04	20303	2017-18
CHA-380 Two Section out of Three	M.Sc.Chemistry	M.Sc CHP-04	20304	2017-18
I)Analytical Method Development & Validation	M.Sc.Chemistry	M.Sc CHP-04	20305	2017-18
II) Geochemical and Alloy Analysis	M.Sc.Chemistry	M.Sc CHP-04	20306	2017-18
III) Laboratory Automation & Sensor Based Techniques	M.Sc.Chemistry	M.Sc CHP-04	20307	2017-18
M.Sc.-II (Analytical Chemistry) Semester -IV				
CHA-481 Analytical Toxicology and Food Analysis(Section I & II)	M.Sc.Chemistry	M.Sc CHP-04	20401	2017-18
CHA-490 Analytical Spectroscopy(Section I & II)	M.Sc.Chemistry	M.Sc CHP-04	20402	2017-18

CHA-491 Analytical Methods for Analysis of Fertilizers, Detergents, Water & Polymer, Paint and Pigment (Section I & II)	M.Sc. Chemistry	M.Sc CHP-04	20403	2017-18
CHA-492 Method of Analysis and Applications	M.Sc. Chemistry	M.Sc CHP-04	20404	2017-18
I) Pollution Monitoring and Control	M.Sc. Chemistry	M.Sc CHP-04	20405	2017-18
II) Analysis of Body Fluid	M.Sc. Chemistry	M.Sc CHP-04	20406	2017-18
III) Carbon Nanostructures and Applications of Nanotechnology	M.Sc. Chemistry	M.Sc CHP-04	20407	2017-18
M.Sc.-II (Organic Chemistry)				
Semester -III				
CHO-350 Organic Reaction Mechanism	M.Sc. Chemistry	M.Sc CHP-04	20501	2015-16
CHO-351 Spectroscopic Methods in Structure Determination			20502	2015-16
CHO-352 Organic Stereochemistry	M.Sc. Chemistry	M.Sc CHP-04	20503	2015-16
CHO-353 Pericyclic Reactions, Photochemistry and Heterocyclic Chemistry	M.Sc. Chemistry	M.Sc CHP-04	20506	2015-16
M.Sc.-II (Organic Chemistry)				
Semester -IV				
CHO-450 Natural Products	M.Sc. Chemistry	M.Sc CHP-04	20601	2015-16
CHO-451 Advanced Synthetic Organic Chemistry	M.Sc. Chemistry	M.Sc CHP-04	20602	2015-16
CHO-452 Carbohydrates and Chiron Approach/Chiral Drugs and Medicinal Chemistry	M.Sc. Chemistry	M.Sc CHP-04	20603	2015-16
CHO-453 Designing Organic Synthesis and Asymmetric Synthesis	M.Sc. Chemistry	M.Sc CHP-04	20604	2015-16
Semester- I M.A.English				
ENG-1.1 English Literature from 1550 to 1798	M.A. English	M.A. ENG-5	50101	2016-17
ENG-1.2 English Literature from 1798 to 2000	M.A. English	M.A. ENG-5	50102	
ENG-1.3 Contemporary Studies in English Language	M.A. English	M.A. ENG-5	50103	
ENG-1.4 Literary Criticism and Theory	M.A. English	M.A. ENG-5	50104	
Semester- II M.A.English				
ENG-2.1 English Literature from 1550 to 1798	M.A. English	M.A. ENG-5	50201	

ENG-2.2 English Literature from 1798 to 2000	M.A.English	M.A.ENG-5	50202	2016-17
ENG-2.3 Contemporary Studies in English Language	M.A.English	M.A.ENG-5	50203	
ENG-2.4 Literary Criticism and Theory	M.A.English	M.A.ENG-5	50204	
Semester- III M.A.English				
ENG-3.1 Indian Writing in English	M.A.English	M.A.ENG-5	50301	2017-18
ENG-3.2 English Language and Literature Teaching	M.A.English	M.A.ENG-5	50302	
ENG-3.4 Drama in English	M.A.English	M.A.ENG-5	50303	
ENG-3.4 Research Methodology	M.A.English	M.A.ENG-5	50304	
Semester- IV M.A.English				
ENG-3.1 Indian Writing in English	M.A.English	M.A.ENG-5	50401	2017-18
ENG-3.2 English Language and Literature Teaching	M.A.English	M.A.ENG-5	50402	
ENG-3.4 Drama in English	M.A.English	M.A.ENG-5	50403	
ENG-3.4 Research Methodology	M.A.English	M.A.ENG-5	50404	
Semester- I M.A. History				
HIS-1.1History and its Theory	M.A. History	M.A.HIS-6	60101	2016-17
HIS-1.2 Evaluation of ideas and Institutions in Ancient India	M.A. History	M.A.HIS-6	60102	
HIS-1.Maratha Polity	M.A. History	M.A.HIS-6	60103	
HIS-1.4 Cultural History of Maharashtra	M.A. History	M.A.HIS-6	60104	
Semester- II M.A. History				
HIS-2.1History and its Practice	M.A. History	M.A.HIS-6	60201	2016-17
HIS-2.2 Evolution of Ideas and Institios in Medieval India	M.A. History	M.A.HIS-6	60202	
HIS-2.3 Socio-economic History of the Maharashtra	M.A. History	M.A.HIS-6	60203	
HIS-2.4 Nature of Dalit Movement in Maharashtra	M.A. History	M.A.HIS-6	60204	
Semester- III M.A. History				
HIS-3.1 The ancient and medieval civilization of the world	M.A. History	M.A.HIS-6	60301	2017-18
HIS-3.2 Debates in Indian History	M.A. History	M.A.HIS-6	60302	
HIS-3.3 Economic History of Modern India	M.A. History	M.A.HIS-6	60303	
HIS-3.4 Maharashtra in 19 th Century	M.A. History	M.A.HIS-6	60304	
Semester- IV M.A. History				

HIS-4.1 History of Modern India (1857-1971)	M.A. History	M.A.HIS-6	60401	2017-18
HIS-4.2 Intellectual History of Modern west	M.A. History	M.A.HIS-6	60402	
HIS-4.3 World after World War II (1945-2000)	M.A. History	M.A.HIS-6	60403	
HIS-4.4 Maharashtra in 20 th Century	M.A. History	M.A.HIS-6	60404	
Semester- I M.A.Politics				
POL-1.1 Political theory	M.A.Politics	M.A. POL-07	12491	2016-17
POL-1.2 Public administration	M.A.Politics	M.A. POL-07	12492	
POL-1.3 Political institutions in India	M.A.Politics	M.A. POL-07	12493	
POL-1.4 Modern political ideologies	M.A.Politics	M.A. POL-07	12494	
Semester- II M.A.Politics				
POL-2.1 Public policy	M.A.Politics	M.A. POL-07	22491	2016-17
POL-2.2 Issues in world politics	M.A.Politics	M.A. POL-07	22492	
POL-2.3 Comparative politics	M.A.Politics	M.A. POL-07	22493	
POL-2.4 Political processes in Maharashtra	M.A.Politics	M.A. POL-07	22494	
Semester- III M.A.Politics				
POL-3.1 Political thinking in modern india	M.A.Politics	M.A. POL-07	32491	2017-18
POL-3.2 political sociology	M.A.Politics	M.A. POL-07	32492	
POL-3.3 theory of international relations	M.A.Politics	M.A. POL-07	32493	
POL-3.4 Indian administration	M.A.Politics	M.A. POL-07	32494	
Semester- IV M.A.Politics				
POL-4.1 Traditions of political thought	M.A.Politics	M.A. POL-07	42491	2017-18
POL-4.2 Political processes in india	M.A.Politics	M.A. POL-07	42492	
POL-4.3 Political participation	M.A.Politics	M.A. POL-07	42493	
POL-4.4 Party system in India	M.A.Politics	M.A. POL-07	42494	
M.Com (Semester II)				
M.COM. – 107 Advanced Cost Accounting and Cost System Special	M.COM	M.COM.-8	107	2016-17
M.COM. – 108 Advanced Cost Accounting and Cost System Special Paper II (Costing Techniques and Responsibility Accounting	M.COM	M.COM.-8	108	2016-17

M.COM. – 203 Advanced Accounting and Taxation Special Paper III (Specialized Areas in Accounting)	M.COM	M.COM.-8	203	2016-17
M.COM. – 204 Advanced Accounting and Taxation Special Paper IV (Business Tax Assessment and Planning)	M.COM	M.COM.-8	204	2016-17
M.COM. – 207 Advanced Cost Accounting and Cost System Special Paper III (Application of Cost Accounting)	M.COM	M.COM.-8	207	2016-17
M.COM. – 208 Advanced Cost Accounting and Cost System Special Paper IV (Cost Control and Cost System)	M.COM	M.COM.-8	208	2016-17
M.COM. – 213 Business Administration Special Paper III (Business Ethics and Professional Values)	M.COM	M.COM.-8	213	2016-17
M.COM. – 214 Business Administration Special Paper IV (Elements of Knowledge Management)	M.COM	M.COM.-8	214	2016-17
M.COM. – 303 Advanced Accounting and Taxation Special Paper V (Advanced Auditing)	M.COM	M.COM.-8	303	2017-18
M.COM. – 304 Advanced Accounting and Taxation Special Paper VI (Specialized Areas in Auditing)	M.COM	M.COM.-8	304	2017-18
M.COM. – 307 Advanced Cost Accounting and Cost System Special Paper V (Cost Audit)	M.COM	M.COM.-8	307	2017-18
M.COM. – 308 Advanced Cost Accounting and Cost System Special Paper VI (Management Audit)	M.COM	M.COM.-8	308	2017-18
M.COM.-403 Accounting and Taxation Special Paper VII (Recent Advances in Accounting Taxation and Auditing)	M.COM	M.COM.-8	403	2017-18
M.COM.-407 Advanced Cost Accounting and Cost System Special Paper VII (Recent Advances in Cost Auditing and Cost System)	M.COM	M.COM.-8	407	2017-18

M.COM.-408 Advanced Cost Accounting and Cost System Special Paper VIII (Project Work / Case Studies)	M.COM	M.COM.-8	408	2017-18
M.COM. – 413 Business Administration Special Paper VII (Recent Advances in Business Administration)	M.COM	M.COM.-8	413	2017-18
M.COM. – 414 Business Administration Special Paper VIII (Project Work / Case Studies)	M.COM	M.COM.-8	414	2017-18
T.Y.B.Sc. Physics – Sem. III				
PHY – 331 Mathematical Methods in	B.Sc.Physics	B.Sc.PHY- 10	20331	2014-15
PHY - 332 Solid State Physics	B.Sc.Physics	B.Sc.PHY- 10	20332	
PHY – 333 Classical Mechanics	B.Sc.Physics	B.Sc.PHY- 10	20333	
PHY – 334 Atomic and Molecular	B.Sc.Physics	B.Sc.PHY- 10	20334	
PHY – 335 Computational Physics	B.Sc.Physics	B.Sc.PHY- 10	20335	
PHY – 336 Elective I (Select any One)	B.Sc.Physics	B.Sc.PHY- 10	20336	
A: Astronomy and Astrophysics				
B: Elements of Materials Science				
C: Motion Picture Physics				
D: Biophysics				
E: Renewable Energy Sources				
F: Applied Optics				
T.Y.B.Sc. Physics – Sem. IV				
PHY – 341 Classical Electrodynamics	B.Sc.Physics	B.Sc.PHY- 10	20341	2014-15
PHY – 342 Quantum Mechanics	B.Sc.Physics	B.Sc.PHY- 10	20342	
PHY – 343 Thermodynamics and	B.Sc.Physics	B.Sc.PHY- 10	20343	
PHY – 344 Nuclear Physics	B.Sc.Physics	B.Sc.PHY- 10	20344	
PHY – 345 Electronics/Advanced	B.Sc.Physics	B.Sc.PHY- 10	20345	
PHY – 346 Elective II (Select any one)	B.Sc.Physics	B.Sc.PHY- 10	20346	
G: Medical Electronics				
H: Physics of Nanomaterials				
I: Microcontrollers				
J: Electro Acoustics and				
K: Lasers				
L: Radiation Physics				
PHY – 347 Laboratory Course I	B.Sc.Physics	B.Sc.PHY- 10	20347	
PHY – 348 Laboratory Course II	B.Sc.Physics	B.Sc.PHY- 10	20348	
PHY – 349 Laboratory Course III	B.Sc.Physics	B.Sc.PHY- 10	20349	
T.Y.B.Sc. Electronics – Sem. III				
EL – 331 Advanced Digital System	B.Sc. Electronics	B.Sc. EL - 13	50331	
EL – 332 Microcontrollers	B.Sc. Electronics	B.Sc. EL - 13	50332	
EL – 333 Analog Circuit Design and Applications of Linear IC's	B.Sc. Electronics	B.Sc. EL - 13	50333	

EL – 334 Principles of	B.Sc. Electronics	B.Sc. EL - 13	50334	2014-15
EL – 335 'C' Programming	B.Sc. Electronics	B.Sc. EL - 13	50335	
EL-336	B.Sc. Electronics	B.Sc. EL - 13	50336	
Optional Course A-Fiber Optic Communication		B.Sc. EL - 13		
B-Electronic Product Design and Entrepreneurship		B.Sc. EL - 13		
T.Y.B.Sc. Electronics – Sem. IV				
EL-341 Advanced	B.Sc. Electronics	B.Sc. EL - 13	50341	
Communication Systems		B.Sc. EL - 13		
EL-342 Microcontroller and its Applications	B.Sc. Electronics	B.Sc. EL - 13	50342	
EL-343 Power Electronics	B.Sc. Electronics	B.Sc. EL - 13	50343	
EL-344 Foundations of Nano electronics	B.Sc. Electronics	B.Sc. EL - 13	50344	
EL-345 Mathematical Methods and	B.Sc. Electronics	B.Sc. EL - 13	50345	
		B.Sc. EL - 13		
		B.Sc. EL - 13		
EL-346 Optional Course	B.Sc. Electronics	B.Sc. EL - 13	50346	
A-Industrial Automation		B.Sc. EL - 13		
B-Consumer Electronics		B.Sc. EL - 13		
EL-347 Practical Course I	B.Sc. Electronics	B.Sc. EL - 13	50347	
EL-348 Practical Course II	B.Sc. Electronics	B.Sc. EL - 13	50348	
EL-349 Practical Course (Project)	B.Sc. Electronics	B.Sc. EL - 13	50349	
F.Y.B.Sc. Zoology -Term I				
ZY- 101 Paper-1 Animal Systematic & Diversity- I	B.Sc. Zoology	B.Sc. ZY -14	60109	2014-15
ZY – 102 Paper-2 Fundamentals of Cell Biology	B.Sc. Zoology	B.Sc. ZY -14	60110	
F.Y.B.Sc. Zoology -Term II		B.Sc. ZY -14		
ZY- 101 Paper - I Animal Systematic & Diversity- II	B.Sc. Zoology	B.Sc. ZY -14	60209	
ZY – 102 Paper - II Genetics	B.Sc. Zoology	B.Sc. ZY -14	60210	
S.Y.B.Sc. Zoology –Sem-I				
ZY- 211 Animal Systematic & Diversity- III	B.Sc. Zoology	B.Sc. ZY -14	60211	2015-16
ZY- 212 Applied Zoology- I	B.Sc. Zoology	B.Sc. ZY -14	60212	
S.Y.B.Sc. Zoology –Sem-II				
ZY- 221 Animal Systematic & Diversity- IV	B.Sc. Zoology	B.Sc. ZY -14	60221	2015-16
ZY- 222 Applied Zoology- I	B.Sc. Zoology	B.Sc. ZY -14	60222	
T.Y.B.Sc. Zoology –Sem-III				
ZY – 331 Animal Systematic & Diversity - V	B.Sc. Zoology	B.Sc. ZY -14	60331	
ZY -332Mammalian Histology	B.Sc. Zoology	B.Sc. ZY -14	60332	
ZY -333 Biological Chemistry	B.Sc. Zoology	B.Sc. ZY -14	60333	

ZY-334 Environmental Biology & Toxicology	B.Sc. Zoology	B.Sc. ZY -14	60334	2016-17
ZY – 335 Parasitology	B.Sc. Zoology	B.Sc. ZY -14	60334	
ZY -336 Cell Biology	B.Sc. Zoology	B.Sc. ZY -14	60336	
T.Y.B.Sc. Zoology –Sem-IV				
ZY–341 Biological Techniques	B.Sc. Zoology	B.Sc. ZY -14	60341	2016-2017
ZY-342 Mammalian Physiology & Endocrinology	B.Sc. Zoology	B.Sc. ZY -14	60342	
ZY -343 Genetics & Molecular Biology	B.Sc. Zoology	B.Sc. ZY -14	60343	
ZY – 344 Organic Evaluation	B.Sc. Zoology	B.Sc. ZY -14	60344	
ZY - 345 General Embryology	B.Sc. Zoology	B.Sc. ZY -14	60345	
ZY – 346 Medical Entomology	B.Sc. Zoology	B.Sc. ZY -14	60346	
Bachelor of Vocational Course in -				
GHM-101 Soil Science	B.VOC.-GHM	B.VOC.-15	70101	2018-2019
GHM-102 Soil Cultivation	B.VOC.-GHM	B.VOC.-15	70102	
GHM-103 Propagation Techniques-I	B.VOC.-GHM	B.VOC.-15	70103	
GHM-104 Propagation Techniques-II	B.VOC.-GHM	B.VOC.-15	70104	
GHM-P-101 Practicals based on theory of Skill Component	B.VOC.-GHM	B.VOC.-15		
GHM-105 Communication Skills-I	B.VOC.-GHM	B.VOC.-15	70105	
GHM-106 Basics of Plant Biology- I	B.VOC.-GHM	B.VOC.-15	70106	
GHM-107 Nursery Operations-I	B.VOC.-GHM	B.VOC.-15	70107	
GHM-P-102 Practicals based on	B.VOC.-GHM	B.VOC.-15		
		B.VOC.-15		
F.Y.B.Voc.GHM-Sem-II				
GHM-201 Green House Construction	B.VOC.-GHM	B.VOC.-15	70201	2018-2019
GHM-202 Green House Management Basics-I	B.VOC.-GHM	B.VOC.-15	70202	
GHM-203 Green House Management Basics-II	B.VOC.-GHM	B.VOC.-15	70203	
GHM-204 Economics of Green House Setup	B.VOC.-GHM	B.VOC.-15	70204	
GHM-201-P-Practicals based on theory of Skill Component	B.VOC.-GHM	B.VOC.-15		
GHM-205 Communication Skills-II	B.VOC.-GHM	B.VOC.-15	70205	
GHM-206 Basics of Plant Biology- II	B.VOC.-GHM	B.VOC.-15	70206	
GHM-207 Nursery Operations-II	B.VOC.-GHM	B.VOC.-15	70207	
GHM-202-P-Practicals based on	B.VOC.-GHM	B.VOC.-15		

		B.VOC.-15		
Bachelor of Vocational Course in - (Analytical Techniques in Pharmaceutical Analysis)				
F.Y.B. Voc. AP-Sem.-I				
General Components				
AP – 011 General English & Soft Skill	B.VOC.- AP	B.VOC.-16	80011	2018-2019
AP – 012 Basic Chemical Mathematics	B.VOC.- AP	B.VOC.-16	80012	
AP – 013 Environmental Chemical Analysis and Control	B.VOC.- AP	B.VOC.-16	80013	
AP – 014 Electrochemistry	B.VOC.- AP	B.VOC.-16	80014	
Skill Components				
AP – 015 Principles of Analytical Chemistry & Chemical Equilibrium	B.VOC.- AP	B.VOC.-16	80015	2018-2019
AP – 016 Good Laboratory Practices & Safety in Chemical Laboratories	B.VOC.- AP	B.VOC.-16	80016	
AP – 017 Laboratory Course – I	B.VOC.- AP	B.VOC.-16	80017	
AP – 018 Laboratory Course – II	B.VOC.- AP	B.VOC.-16	80018	
AP – 019 Laboratory Course – III	B.VOC.- AP	B.VOC.-16	80019	
F.Y.B. Voc. AP-Sem.-II				
General Components				
AP – 021 Numerical Methods & Computer Programming	B.VOC.- AP	B.VOC.-16	80020	2018-2019
AP – 022 Basic Analytical Techniques	B.VOC.- AP	B.VOC.-16	80021	
AP – 023 Basics in Polymer Chemistry	B.VOC.- AP	B.VOC.-16	80022	
Skill Components				
AP – 024 Miscellaneous Method of Analysis	B.VOC.- AP	B.VOC.-16	80023	2018-2019
AP – 025 Basic Organic Chemistry	B.VOC.- AP	B.VOC.-16	80024	
AP – 026 Laboratory Course – I	B.VOC.- AP	B.VOC.-16	80025	
AP – 027 Laboratory Course – II	B.VOC.- AP	B.VOC.-16	80026	
AP – 028 Laboratory Course – III	B.VOC.- AP	B.VOC.-16	80026	
Bachelor of Vocational Course in - (Renewable Energy Management)				
F.Y.B. Voc. RET -Sem.-I				
General Education Component				
RET – 1 – 1 Introduction to Renewable Energy Sources	B.VOC.- RET	B.VOC.-16	90001	2018-2019
RET – 1 – 2 Basic Electronics	B.VOC.- RET	B.VOC.-16	90002	

RET – 1 – 3 Basic Physics	B.VOC.- RET	B.VOC.-16	90003	
Skill Component				
REP – 1 – 4 Practical – I (Life Skill and Software Tools)	B.VOC.- RET	B.VOC.-16	90004	2018-2019
REP – 1 – 5 Practical II (Based on Theory)	B.VOC.- RET	B.VOC.-16	90005	
General Education Component				
RET – 2 – 1 Sustainable Development and Energy	B.VOC.- RET	B.VOC.-16	90006	2018-2019
RET – 2 – 2 Applications of Solar Energy	B.VOC.- RET	B.VOC.-16	90007	
RET – 2 – 3 Bio-Energy	B.VOC.- RET	B.VOC.-16	90008	
Skill Component				
REP – 2 – 4 Practical – III (Industrial Training & Field Work)	B.VOC.- RET	B.VOC.-16	90009	2018-2019
REP – 2 – 5 Practical – IV (Based on Theory)	B.VOC.- RET	B.VOC.-16	90010	
Diploma in medical lab Technician	Diploma Course	Community College()	DMLT-01	2015-16
Solar Photovoltaic and solar thermal energy	Certificate Course	PHYCC001	SPSTE01	2017-18
A certificate course in Modi Script (Modi Lipi Prashikshan Varg)	Certificate Course	History	CCMS-001	2018-19
Human Rights & Human Values	Certificate Course	POLCC-001	POL-HR-01	2017-18
Certificate Course on MATLAB Programming	Certificate Course	ELECC-001	CCMP-001	2017-18
Certificate course in Landscaping and garden designing	Certificate Course	BOTCC	CT001	2017-18
Certificate course in Chemical and Pharmaceutical Analysis	Certificate Course	CHEM-001	CCCPA-001	2017-18
Mathematical Reasoning & Quantitative Aptitude	Certificate Course	MTCC-001	CCMRQA-001	2017-18
Certificate course in Travel and Tourism	Certificate Course	GEO-001	TT001	2017-18
Basic Practical Aspects in Tally ERP9	Certificate Course	COM 001	CCBPATE-001	2017-18
Basic Practical Aspects in GST	Certificate Course	COM 001	CCBPAGST-001	2017-18
Personality Development & Language Skills	Certificate Course	MAR-001	APR-002	2017-18
Anchoring and Proof Reading	Certificate Course	MAR-001	APR-001	2017-18
Hobby course	value added courses	HOB:001	HOB	2013-14
Weaving	value added courses	WEV:002	WEV	2013-14
Painting	value added courses	PNG:003	PNG	2013-14
Beauty Parlor	value added courses	BEP: 004	BEP	2015-16

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