

Shri Shivaji Science and Arts College, Chikhli

Paper Name with Code

Department of Botany

Paper Name with Code (NEP) for Class: B.Sc. Botany (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of the Paper	Paper Code
1.	Botany	B.Sc. I	I	Semester I: (Major / Minor) Theory 1: Foundations of Plant Science and Career Development	107201
				Lab/Practical-1 Foundations and Prospects of Plant Science	107202
				Generic/Open Elective (GOEC) Theory 1: Plant Health Care Theory 2: Kitchen Gardening	107203 107204
				SEC Lab/Practical 2: Medicinal Plant Cultivation and Processing	107205
2.	Botany	B.Sc. I	II	Semester II : (Major / Minor) Theory 2: Fundamental Life Processes in Plants	107206
				Lab/Practical 3: Hands on Exploration of Life Processes	107207
				Generic/Open Elective (GOEC) Theory 3: Floriculture and Value Additions Theory 4: AYUSH	107208 107209
				VSC Lab/Practical 6: Commercialization of Medicinal Plant and Products	107210
				SEC Lab/Practical 7: Seed Development Technology	107211
3.	Botany	B.Sc. II	III	Semester III (Major) Theory 3: Microbial Diversity Theory 4: Cryptogamic Botany	107212 107213
				Lab/Practical 8: Techniques in Microbial Studies, Plant Diseases and Cryptogamic Botany	107214
				IKS Major Specific Theory: Sacred Plant Heritage of Maharashtra	107215
				(Minor) Theory 3: Plant Diversity, Conservation and Forensic Botany	107216
				Lab/Practical 9: Practical Approach towards Plant Diversity, Conservation	107217

				Generic/Open Elective (GOEC) Theory 5: Traditional Health Care	107218
				VSC Lab/Practical10: Supply Chain Management in Seed Products	107219
4.	Botany	B.Sc. II	IV	Semester IV (Major) Theory 5: Botanical Wealth – Economic Botany, Ethnomedicine & Phytochemistry	107220
				Theory 6: Cellular Frontiers in Botany - Cell Biology and Cytogenetics	107221
				Lab/Practical 11: Experimental Botany in Economic, Medicinal, Cellular Studies	107222
				(Minor) Theory 4: Plant Propagation and Growth	107223
				Lab/Practical 12: Investigations of Plant Life Sketch	107224
				Generic/Open Elective (GOEC) Theory 6: Plant Products	107225
				VSC Lab/Practical 13: Nursery and Garden Management	107226
				SEC Lab/Practical 14: Skilling Botanists for Nursery and Garden Management	107228
5.	Botany	B.Sc. III	V	Major Theory 7 Theoretical Foundations in Plant Morphology, Anatomy, Embryology, and Pharmacognosy	107229
				Major Theory 8 Innovative technologies of the Green Revolution and Plant Breeding	107230
				Major Theory 9 Physiological Advances	107231
				Lab/Practical-15 Lab Practical Insights in Plant Anatomy, Embryology, Pharmacognosy and Green Revolution	107232
				Practical-16 Laboratory Skills Plant Breeding and Physiological Processes	107233
				Major (Elective) Any one Elective group of Courses shall be opted	
				Plant Systematics - 1	107234
				Lab-Based Learning of Plant Systematics - 1	107235
				Molecular Biology - 1	107236
				Lab-Based Learning of Molecular Biology - 1	107237
Plant Physiology - 1	107238				

				Lab-Based Learning of Plant Physiology - 1	107239
				Fungal Systematics - 1 Lab-Based Learning of Fungal Systematics - 1	107240
				(Minor) Theory 5: Herbal Medicinal Plant Wealth of India	107236
				Lab/Practical-18: Lab Techniques in Herbal Medicines	107237
				VSC Lab/Practical-19: Eco-Friendly Plant Products	107238
				FP/CES Project: Separate SOP will be released	
6.	Botany	B.Sc. III	VI	Major Theory 10 Genomics, Proteomics and Metabolomics	107239
				Lab/Practical-20 experimental Approaches in Genomics Proteomics and Metabolomics	107240
				Major Theory11 Soil Science and Plant Nutrition	107241
				Lab/Practical-21 Experimental Approaches in Soil Science and Plant Nutrition	107242
				Major (Elective) Any one Elective group of Courses shall be opted	
				Major Theory12 Plant Systematics - 2	107243
				Lab/Practical-22 Lab-Based Learning of Plant Systematics -2	107244
				Major Theory12 Molecular Biology - 2	107245
				Lab/Practical-22 Lab-Based Learning of Molecular Biology -2	107246
				Major Theory12 Plant Physiology -2	107247
				Lab/Practical-22 Lab-Based Learning of Plant Physiology -2	107248
				Major Theory12 Fungal Systematics -2	107249
				Lab/Practical-22 Lab-Based Learning of Fungal Systematics -2	107250
				(Minor) Theory 6: Genetic Engineering and AI in Plants	107251
				Lab/Practical-23 Experimental Modifications and AI in Plants	107252
				VSC Lab/Practical-24 Entrepreneurship for Botanists	107253
Internship / Apprenticeship (Refer University basket)					
FP/CES Project: Separate SOP will be released					

Paper Name with Code (NEP) for Class: M.Sc. Botany (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Botany	M.Sc.	I	Research Methodology and IPR	BOT 01

				DSC-I.1 Cell and Molecular Biology Evolution, Diversity and Commercial Application of Microbes, Algae, and Plant Pathology	BOT 101
				DSC-II.1 Evolution, Diversity and Commercial Application of Microbes, Algae, Fungi and Plant Pathology	BOT 102
				DSC-III.1 Plant Development, Economic Botany and Resource Utilization	BOT 103
				DSE-I -Plant Tissue Culture-I	BOT 104- C
				Lab –I: based on DSC-I.1 and II.1 (Cell and Molecular Biology and Evolution, Diversity and Commercial Application of Microbes, Algae, Fungi and Plant Pathology)	
				Lab –II: based on DSC-III and DSE Opted by Student (Plant Development, Economic Botany and Resource Utilization following DSE) c. Plant Tissue Culture-I	
				Semester-II	
				DSC-I.2 Biochemistry and Plant Physiology	BOT 201
				DSC-II.2 Evolution and Diversity of Bryophytes, and Pteridophytes	BOT 202
				DSC-III.2 Genetics and Plant Breeding	BOT 203
				DSE-II -Plant Tissue Culture-II	BOT 204- C
				Lab –III: based on DSC-I.2 and DSC-II.2 (Biochemistry and Plant Physiology, Evolution and Diversity of Bryophytes and Pteridophytes)	
				Lab –IV: based on DSC III.2 and DSE Opted by Student (Genetics and Plant Breeding and following DSE) Plant Tissue Culture-II	
				Technological Advancements in Botanical Research	BOT 02
				DSC-I.3 Paleobotany, Evolution of Gymnosperms and Origin of Angiosperms	BOT 300
				DSC-II.3 Systematics and Taxonomy of Angiosperms	BOT 301
				DSC-III.3 Diversity Conservation, Ethnobotany, Palynology and Phytogeography	BOT 302
				DSE- III -Plant Tissue Culture- III	BOT 304-C
2.	Botany	M.Sc.	II		
3.	Botany	M.Sc.	III		

				Lab –V: based on DSC-I.3 and DSC-II.3 Paleobotany and Evolution of Gymnosperms and Systematics and Taxonomy of Angiosperms Lab –VI: based on DSE Opted by Student c. Plant Tissue Culture-III Field Project	
4.	Botany	M.Sc.	IV	DSC-I.4 Applied Botany	BOT401
				DSC-II.4 Plant Ecology and Environmental Dynamics	BOT402
				DSC- III.4 Plant Biotechnology and Genetic Engineering	BOT403
				Lab –VII: based on DSC-I.4, DSC-II.4, DSC III.4 and DSE Opted by Student –c. Plant Tissue Culture- IV Field Project	

Department of Chemistry

Paper Name with Code [NEP] For Class B. Sc. Chemistry (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Chemistry	B.Sc.-I	Sem -I	General Chemistry-1	108200
2.	Chemistry			Chemistry Lab-1	108201
3.	Generic Open Elective course (GOEC)			Chemistry in Everyday life	108202
4.	Generic Open Elective course (GOEC)			Pollution & Remedies	108203
5.	Chemistry			(SEC) Calibration and Standardization Essential	108204
6.	Chemistry	B.Sc.-I	Sem -II	General Chemistry-2	108205
7.	Chemistry			Chemistry Lab-3	108206
8.	Generic Open Elective			Food Safety, Adulteration and Detection	108207
9.	Generic Open Elective course (GOEC)			Entrepreneurship in Chemistry	108208
10.	Chemistry			(VSC) Chemical Laboratory Practices	108209
11.	Chemistry			(SEC) IT Skills for Chemist	108210
12.	Major Chemistry	B.Sc.-II	Sem -III	General Chemistry-3	108211
13.	Major Chemistry			Inorganic Chemistry-1	108212
14.	Major Chemistry			IKS in Chemistry	108213
15.	Major Chemistry			Chemistry Lab-6	108214
16.	Minor Chemistry			Minor Chemistry-1	108215
17.	Minor Chemistry			Minor Chemistry Lab-7	108216
18.	Generic Open Elective			Chemistry for competitive Examination	108217

19.	Major Chemistry		Sem -IV	(VSC) Chemistry Lab-8 (Preparation of Commercial Products)	108218		
20.	Major Chemistry			(FP) Chemistry Lab-9	108219		
21.	Major Chemistry			Organic Chemistry-1	108220		
22.	Major Chemistry			Physical Chemistry-1	108221		
23.	Major Chemistry			Chemistry Lab-10	108222		
24.	Minor Chemistry			Minor Chemistry-2	108223		
25.	Minor Chemistry			Minor Chemistry Lab-11	108224		
26.	Generic open Elective course (GOEC)			Chemistry for Sustainable Agriculture	108225		
27.	Major Chemistry			(VSC) Chemistry Lab-12 (Synthesis and extraction of industrial products)	108226		
28.	Major Chemistry			(SEC) Chemistry Lab-13 (Basic Cheminformatics)	108227		
29.	Major Chemistry			(FP) Chemistry Lab-14	108228		
30.	Chemistry			B.Sc.- III	Sem -V	Subjects offered as per NEP - 2020	
31.					Sem -VI	Subjects offered as per NEP - 2020	

Paper Name with Code [NEP] For Class M. Sc. Chemistry (Sem. I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1	Chemistry	M.Sc.- I	Sem-I	Research Methodology and IPR in Chemistry	20426
2				Structural Inorganic Chemistry	20427
3				General Organic Chemistry	20428
4				Physical Chemistry-I	20429
5				Organic Reaction Mechanism	20431
6				Organic Chemistry Laboratory (Lab-01)	20434
7				Physical Chemistry Laboratory (Lab-02)	20435
8				On Job Training, Internship- Apprenticeship- Field projects Related to Major @ during vacations cumulatively 120 Hours Sem- I (04 credits)	11200
9	Chemistry	M.Sc.- I	Sem-II	Physical Chemistry-II	21086
10				Coordination Chemistry	21087
11				Basic Analytical Chemistry	21088
12				Advanced Organic Chemistry	21090
13				Inorganic Chemistry Laboratory (Lab-03)	21094
14				Analytical Chemistry Laboratory (Lab-04)	21095
15				On Job Training, Internship- Apprenticeship- Field projects Related to Major @ during vacations cumulatively 120 Hours Sem- I (04 credits)	11200
16	Chemistry	M.Sc.- II	Sem-III	Contemporary topics in Chemistry	22400
17				Spectroscopy-I	22401

18				Physical Organic Chemistry	22402
19				Advanced Organic Synthesis	22404
20				(Lab-05)	22408
21				Organic Chemistry Special Practical (Lab-06)	22409
22				Research Project Phase-I (Lab-07)	22416
23	Chemistry	M.Sc.- II	Sem-IV	Principles of Organic Synthesis	23360
24				Spectroscopy-II	23361
25				Analytical (Separation Techniques)	23362
26				Natural products and Medicinal Chemistry (Organic Chemistry)	23364
27				Lab-(08)	23368
28				Research Project Phase-II (Lab-09)	23369

Department of Microbiology

Paper Name with Code [NEP] For Class B. Sc. Microbiology (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Microbiology	B.Sc. I	I	Introductory Microbiology (Major & Minor)	127200
2.				Basic Technique and Study of Microbes (Lab- I)	127201
3.				Microscopy and Staining of Microbes (SEC)	127204
4.				Communicable Diseases and their Control (GOEC- 1)	127202
5.				Food Preservation And Food Safety (GOEC- 2)	127203
6.	Microbiology	B.Sc. I	II	Biotechnology & Microbial Control (Major & Minor)	127205
7.				Techniques for Culturing Bacteria (Lab-04)	127206
8.				Microbial Control (Lab 06 -VSC)	127209
9.				Isolation & Morphological Characterization of Bacteria (Lab 07- SEC)	127210
10.				Microbes for Sustainable Agriculture(GOEC - 03)	127207
11.				Composting & Biogas Technology (GOEC – 04)	127208
12.	Microbiology	B.Sc. II	III (Major)	Bacterial Growth & Pure Culture (Major Theory - 03)	127211
13.				Fundamentals of Virology (Major Theory - 04)	127212
14.				Techniques for bacterial Growth & Pure Culture (Lab - 08)	127213
15.				IKS In Microbiology (Major Specific IKS)	127214
16.				Microbial cultivation and Culture Preservation	127218

				(Lab 10 –VSC)		
17.				FP/CES in Microbiology (Project)	127219	
18.			III (Minor)	Microbial Reproduction and Bacterial Pure Culture (Minor Theory -03)	127215	
19.				Techniques of Microbial culture, Bacterial Physiology and Pure Culture (Lab - 09)	127216	
20.					Applied Microbiology for Day to Day Life (GOEC Theory - 05)	127217
21.					Medical Microbiology (Major Theory -05)	127220
22.			IV (Major)	Immunology & Serology (Major Theory -06)	127221	
23.					Medical Microbiology and serology (Lab - 11)	127222
24.	Microbiology	B.Sc. II			Skills for Diagnostic Microbiology (Lab 13 - VSC)	127226
25.					Blood Bank Technology (Lab 14 - SEC)	127227
26.					FP/CES in Microbiology –II (Project)	127228
27.					Clinical Microbiology (Minor Theory 04)	127223
28.	Microbiology	B.Sc. II	IV (Minor)	Clinical Microbiology and Serology (Lab 12)	127224	
29.					Microbiology for Human Health (GOEC Theory 06)	127225
30.	Microbiology	B.Sc.-III	Sem.-V	Subjects offered as per NEP - 2020		
31.	Microbiology	B.Sc.-III	Sem.-VI	Subjects offered as per NEP - 2020		

Paper Name with Code [NEP] For Class M. Sc. Microbiology (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code	
1.			I	PAPER-RM [RM] Research Methodology And IPR In Microbiology	20139	
2.					PAPER-I [DSC I ,1MCB 1] Microbial And Analytical Techniques	20128
3.	Microbiology	M.Sc. I			PAPER-II [DSC II ,1MCB 2] Microbial Enzymology & Enzyme Technology	20129
4.					PAPER III [DSC III ,1MCB3] Environmental Microbiology	20136
5.					PAPER-IV [1MCB 4] DSE2 : Microbial Metabolism /MOOC	20131
6.					PRACTICAL-I [LAB-1]	20137

				Analytical Techniques And Enzymology	
7.				PRACTICAL-II [LAB-2] Environmental Microbiology, Metabolism And Clinical Biochemistry	20138
8.	Microbiology	M.Sc. I	II	PAPER-V [DSC I ,2MCB1] Microbial Diversity And Molecular Taxonomy	21053
9.				PAPER-VI- [DSC II , 2MCB2] Pharmaceutical Microbiology	21054
10.				PAPER-VII [DSC III , 2MCB3] Applied Microbiology For Agriculture And Environment	21057
11.				PAPER-VIII [DSE 1, 2MCB4] Microbial Physiology And Photosynthesis	21055
12.				PRACTICAL-III [LAB-3] Microbial Diversity And Pharmaceutical Microbiology	21058
13.				PRACTICAL-IV [LAB-4] Applied Microbiology For Agriculture And Environment	21060
14.				#On Job Training, Internship/Apprenticeship, Field projects Related to Major @during vacations cumulatively	11200
15.				Microbiology	M.Sc. II
16.	PAPER-X [DSC II., 3MCB2] Food And Fermentation Technology	22609			
17.	PAPER-XI [DSC-III., 3MCB3] Clinical Microbiology	22610			
18.	PAPER-XII [DSE I., 3MCB4] Virology	22611			
19.	PRACTICAL-V [LAB-V] Advances In Applied Microbiology	22614			
20.	PRACTICAL-VI [LAB-VI] Clinical Microbiology And Virology	22615			
21.	Research Project Phase-1	22616			
22.	Microbiology	M.Sc. II	IV		
23.				PAPER-XIV [DSCII , 4MCB2] Immunology And Haematology	23428
24.				PAPER-XV [DSC III, 4MCB3] Microbial Technology	23429
25.				PAPER-XVI- [DSE I , 4MCB4] DSE II – Biostatistics And Bioinformatics/ MOOC	23431
26.				PRACTICAL-VII [LAB-VII]	23432

				Microbial Genetics, Immunology And Hematology	
27.				PRACTICAL-VIII [LAB-VIII] Biosafety, Biostatistics , Bioinformatics And Microbial Technology	23433
28.				Research Project Phase-II	23434

Department of Zoology

Paper Name with Code[NEP] For Class B. Sc. Zoology (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Zoology	B.Sc. I	Sem. I (NEP)	Fundamental Biology of Invertebrate (Major)	133201
				Practical based on theory 1 Major – Zoology	133202
				GOEC – 1 – Economic Zoology	133203
				GOEC -2- Wildlife Ecotourism	133204
				SEC – Skill based practical on Major Apiculture (Bee Keeping)I	133205
2.		B.Sc. I	Sem. II (NEP)	Fundamental Biology of Chordate (Major)	133206
				Lab./Practical-4: (Practical based on theory-2)	133207
				GOEC -3-Human Health and Infectious Diseases	133208
				GOEC -4 Animal Behavior and Ecology	133209
				VSC-Lab-6-Advance Application (Carrier Oriented)/Practical On Major	133210
				SEC-SEC-Skill based practical on Major-Apiculture (Bee Keeping) II	133211
3.	B.Sc. II	Sem. III (NEP)	Theory 3 - Cytology (Major)	133212	
			Theory 4 – Developmental Biology of Vertebrates (Major)	133213	
			Lab/Practical 8	133214	
			IKS (Major specific) Amazing World of Animals & Scope in Zoology	133215	
			Theory 1 – Forensic Zoology	133216	
			Lab/Practical 9	133217	
			GOEC Theory 5 – Ornithology of Insights	133218	
			VSC – Lab/Practical -Practical on Microtechnique	133219	
			FP/CES – Project	133220	
			CC – Course on health & wellness yoga education, sports, fitness, cultural activities, NSS/NCC & Fine/Applied/Visual Performing Arts		
			12.	B.Sc. III	Sem. IV (NEP)
Theory 6 – Advance Genetics (Major)	133222				
Lab/Practical 11	133223				
Theory 2 – Fundamental of Ecology	133224				
Lab/Practical 12	133225				
GOEC – Ophidology and Arachnology	133226				
VSC – Advance practical on Major (Zoology) Genetics	133227				
13.					
14.					
15.					
16.					
17.					

18.				SEC – Lab Practical – 14 Skill oriented practical on Major (Zoology) Ichthyology	133228
19.				FP – Project	133229
20.				CC – Course on health & wellness yoga education, sports, fitness, cultural activities, NSS/NCC & Fine/Applied/Visual Performing Arts	

Paper Name with Code [NEP] For Class M. Sc. Zoology (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Zoology	M.Sc. I	Sem. I (NEP)	Research Methodology	1ZOORM
2.				DSC-I.1 Structure & function of Invertebrate	1ZOO 1
3.				DSC-II.1. General Physiology	1 ZOO2
4.				DSC-III.1 Developmental Biology	1ZOO3
5.				DSE-1 Tools & Techniques in Biology	1 ZOO4
6.				DSC-I.1 & DSC-II.1 (Lab 1)	1 ZOO5
7.				DSC-III.1 & DSE-1 (Lab 2)	1 ZOO6
8.	Zoology	M.Sc. I	Sem. II (NEP)	DSC-1.2 Structure & functions of Vertebrates	2ZOO 1
9.				DSC-II.2 Molecular Cell Biology	2ZOO 2
10.				DSC-III.2 Ecology & Environment	2ZOO 3
11.				DSE-II Advance Tools & Techniques in Biology	2ZOO 4
12.				DSC.2 & DSC II.2 (Lab 3)	2ZOO 5
13.				DSC-III.4 & DSE II (Lab 4)	2ZOO 6
14.	Zoology	M.Sc. II	Sem. III (NEP)	DSC-1.3 Molecular Cytogenetics	3ZOO 1
15.				DSC-II.3 Population, Quantitative and Evolutionary Genetics	3ZOO 2
16.				DSC-III.3. Endocrinology	3ZOO 3
17.				DSE-III: Entomology-I/Fishery-I/Animal physiology-I/Molecular Biology-I	3ZOO 4
18.				DSC-I.3 & DSC-II.3 (Lab 5)	3ZOO 5
19.				DSC-III.3 & DSE-III (Lab 6)	3ZOO 6
20.	Zoology	M.Sc. I	Sem. IV (NEP)	DSC-I.4 Biochemistry	4ZOO 1
21.				DSC-II.4 Enzymology and Biostatistics	4ZOO 2
22.				DSC-III.4 General Parasitology	4ZOO 3
23.				DSE-IV: Entomology-II/Fishery-II/Animal physiology-II/Molecular Biology-II	4ZOO 4
24.				DSC-I.4 & DSC-II.4 (Lab 7)	4ZOO 7
25.				DSC-III.4 & DSE-IV (Lab 8)	4 ZOO 8

Department of Physics

Paper Name with Code [NEP] For Class B. Sc. Physics (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Physics	B.Sc.-I	Sem.-I	Gravitation and Rotational Dynamics	Physics 129200/ Th1

				Experiments related to Physics Th 1	Physics Lab 1 129201	
				Instrumentation and Measurement Skills	Physics 129/ SEC-1/Lab	
	GOEC-1	B.A.-I/ B.Com.-I		Space Science (The Wonders of Physics)	Physics 129/ OE-1	
	GOEC-2	B.A.-I/ B.Com.-I		Non-Conventional Energy Sources	Physics 129/ OE-2	
2.	Physics	B.Sc.-I	Sem.-II	Oscillations and Properties of Matter	Physics Th 2 129202	
				Experiments Related to Physics Th 2	Physics Lab 2 129203	
				Electric Technician - I	Physics 129/ VSC-1/Lab	
				Instrumentation and Measurement Skills	Physics 129/ SEC- 2/ Lab	
3.	GOEC-3	B.A.-I/ B.Com.-I		Medical Physics	Physics 129/ OE-3	
4.	GOEC-4	B.A.-I/ B.Com.-I		Physics Behind Every Day Life	Physics 129/ OE- 4	
5.	Physics	B.Sc.-II	Sem.-III(Major)	Mathematical Background, Electrostatics and Magnetostatics	Physics MJ Theory 3 129212	
				Solid State Devices I	Physics MJ Theory 4 129213	
				Experiments Related to Physics MJ Th3 and MJ Th4	Physics MJ Lab/ Practical 3 129214	
				IKS-Physics	IKS-Physics Theory 129215	
				Electrical Installation for Residential Buildings	Physics VSC-2 Lab/ Practical 129219	
				Field Project / CE Services in Physics: Phase-I	Physics FP/CEP-1 Project 129220	
				Sem.-III (Minor)	Mathematical Physics and Solid State Devices	Physics MN Theory 3 129216
					Experiments Related to Physics MN Th3	Physics MN Lab/ Practical 3 129217
		GOEC-5	B.A.-II/ B.Com.-II	Sem.-III	Solar Energy and Its Applications	Physics OE-5 Theory 129218
	6.	Physics	B.Sc.-II	Sem.-IV(Major)	Solid State Devices-II	Physics MJ Theory 5 – 129221
Optics and Laser					Physics MJ Theory 6 – 129222	
Experiments related to Physics MJ Th5 and MJ Th6					Physics MJ Lab/ Practical 4 – 129223	
Mobile Repairing Technician					Physics VSC-3 Lab/Practical – 129227	

				Computing in Scilab	Physics SEC-3 Lab/Practical – 129228
				Field Project / CE Services in Physics: Phase-II	Physics FP/CES-2 Project – 129229
			Sem.-IV (Minor)	Transistor, Op-Amp, Fiber Optics and Laser	Physics MN Theory 4 – 129224
				Experiments related to Physics MN Th3	Physics MN Lab/ Practical 4 – 129225
	GOEC- 6	B.A.-II/ B.Com.-II	Sem.-IV	Physics in Agriculture	Physics OE-6 Theory – 129226
7.	Physics	B.Sc.-III	Sem.-V	Subjects offered as per NEP - 2020	
8.	Physics	B.Sc.-III	Sem.-VI		

Paper Name with Code [NEP] For Class M. Sc. Physics (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code			
1.	Physics	M. Sc. I	Sem -I	Research Methodology and IPR in Physics	PHY 100			
2.				DSC-I: Mathematical Physics	PHY 101			
3.				DSC-II: Classical Mechanics	PHY 102			
4.				DSC-III: Quantum Mechanics -I	PHY 103			
5.				DSC-I: (i) Computational Methods and C Programming (ii) Computational Methods and Scilab Programming (i) Computational Methods and Python Programming (ii) MOOC: Scientific Computing using Python (iii) MOOC: Problem Solving through Programming in C	PHY 104 (i/ii/iii)			
6.				Lab I: General Physics Experiments	PHY 105			
7.				Lab II: Programming based Experiments (Computer Lab)	PHY 106			
8.				On Job Training Internship/Apprenticeship; Field Projects related to Major during vacations cumulatively				
9.				Co-curricular Courses: Health and Wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine /Applied/Visual/Performing Arts during Semester I, II, III and IV				
							Name of Paper	Paper Code
10.				Physics	M. Sc. I	Sem -II	DSE IV: Quantum Mechanics II	PHY 201
11.							DSE V: Electromagnetic Theory	PHY 202
12.							DSC VI: Atomic and Molecular Physics	PHY 203
13.							DSE-II/MOOC : DSE II (i): Lasers and Laser Applications DSE-II (ii): Spectroscopic Techniques DSE-II (iii): Network Theorems and Solid State Devices	PHY 204 (i/ii/iii)
14.							Lab I: (DSC IV and DSC V)	PHY 205
15.	Lab II: (DSC VI and DSE)	PHY 206						

16.				# On Job Training, Internship/ Apprenticeship; Field projects Related to Major @ during vacations cumulatively	
17.				Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts During Semester I, II, III and IV	
				Subject	Paper Code
18.				Contemporary Applied Technological Advancements in Research relevant/supportive to major DSC-VII: Nanoscience and Technology	PHY-301
19.				DSC-VIII: Solid State Physics	PHY-302
20.				DSC-IX: Statistical Mechanics	PHY-303
21.	Physics	M. Sc. II	Sem -III	DSC- III/MOOC DSC -III (i) Condensed Matter Physics -I DSC -III (ii) Photonics -I DSC -III (iii) Digital Techniques - I	PHY-304 (i/ii/iii)
22.				Lab I: DSC VII and DSC VIII	PHY-305
23.				Lab II: (DSC IX and DSE)	PHY-306
24.				Research Project Phase I	
25.				Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts During Semester I, II, III and IV	
26.				Subject	Paper Code
27.				DSC-X: Nuclear and Particle Physics	PHY-401
28.				DSC-XI: Operational Amplifier and Linear Integrated Circuits	PHY-402
29.				DSC-XII: Radiation and Plasma Physics	PHY-403
30.	Physics	M.Sc. II	Sem -IV	DSC- IV/MOOC DSC - IV (i) Condensed Matter Physics -II DSC - IV (ii) Photonics -II DSC - IV (iii) Digital Techniques - II	PHY-404 (i/ii/iii)
31.				Lab I: DSC VII and DSC VIII	PHY-405
32.				Lab II: (DSC XII and DSE)	PHY-406
33.				Research Project Phase II	
34.				Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts During Semester I, II, III and IV	

Department of Electronics

**Paper Name with Code [NEP] For Class B. Sc. Electronics (Sem I, II, III, IV,
V, VI)**

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
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1.	Electronics	B.Sc.1	Sem-1	Th1-Fundamental of Electronics	113201
2.				Practical	113202
3.				GOEC1- CCTV Installation and Maintenance	113203
4.				GOEC2- E-waste Management	113204
5.				SEC	113205
6.			Sem-2	Th2-Semiconductor Devices	113206
7.				Practical	113207
8.				GOEC3-Maintenance & Troubleshooting of Electronic Applications	113208
9.				GOEC4-Computer Hardware & Maintenance	113209
10.				VSC	113210
11.				SEC	113211
12.	Electronics	B.Sc.2	Sem-3 (Major)	Th3-Electronic Devices and Circuits-1	113212
13.				Th4-Digital Techniques-1	113213
14.				Practical	113214
15.				Th5-IKS	113215
16.			Sem-3 (Minor)	Th6-Basics of Electronics	113216
17.				Practical	113217
18.				GOEC4-	113218
19.				VSC	113219
20.				FP/CES	113220
21.			Sem-4 (Major)	Th7-Electronic Devices and Circuits-2	113221
22.				Th8-Digital Techniques-2	113222
23.	Practical	113223			
24.	Sem-4 (Minor)	Th9-Basics of Digital Electronics		113224	
25.		Practical		113225	
26.		GOEC5-Basics of Biomedical Instrumentation		113226	
27.		VSC		113227	
28.		SEC		113228	
29.		FP/CES on Electronics		113229	
30.	Electronics	B.Sc.-3	Sem.-V	Subjects offered as per NEP - 2020	
31.			Sem.-VI	Subjects offered as per NEP - 2020	

Department of Computer Science

Paper Name with Code [NEP] For Class B. Sc. Computer Science (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Computer Science Major/Minor	B.Sc. I	SEM-I	Theory -1 Fundamentals of Computer	112200
2.	Computer Science Major/Minor	B.Sc. I	SEM-I	Lab/Practical-1 Laboratory on Office Automation Tools	112201
3.	GOEC	B.Sc. I	SEM-I	Theory -1 Information Communication Technology	112500

4.	GOEC	B.Sc. I	SEM-I	Theory -2 Business Data Processing	112501
5.	SEC	B.Sc. I	SEM-I	Lab/Practical-3 Laboratory on Information Communication Technology Tools	112600
6.	Computer Science Major/Minor	B.Sc. I	SEM-II	Theory -2 Programming with C	112202
7.	Computer Science Major/Minor	B.Sc. I	SEM-II	Lab/Practical-4 Laboratory on Programming with C	112203
8.	GOEC	B.Sc. I	SEM-II	Theory -3 E Business	112502
9.	GOEC	B.Sc. I	SEM-II	Theory -4 Website Design Principles	112503
10.	VSC	B.Sc. I	SEM-II	Lab/Practical-6 Laboratory on E-Commerce	112601
11.	SEC	B.Sc. I	SEM-II	Lab/Practical-7 Laboratory on Web Publishing	112602
12.	Computer Science Major	B.Sc. II	SEM-III	Major-T1 Data Structure	112204
13.	Computer Science Major	B.Sc. II	SEM-III	Major-T2 Relational Database Management System	112205
14.	Computer Science Major	B.Sc. II	SEM-III	Major-P DS and RDBMS Laboratory	112206
15.	Computer Science Major	B.Sc. II	SEM-III	IKS-T IKS in Computational Sciences	112700
16.	Computer Science Major	B.Sc. II	SEM-III	VSC-P Laboratory on MySQL	112603
17.	Computer Science Major	B.Sc. II	SEM-III	FP/CES Field Project / Community Engagement Services in Computer Science: Phase-I	112710
18.	Computer Science Minor	B.Sc. II	SEM-III	Minor-T E-Commerce	112400
19.	Computer Science Minor	B.Sc. II	SEM-III	Minor-P Laboratory on E-Commerce	112401
20.	GOEC	B.Sc. II	SEM-III	GOEC-T E Content Development	112504
21.	Computer Science Major	B.Sc. II	SEM-IV	Major -T1 OOP with C++	112207
22.	Computer Science Major	B.Sc. II	SEM-IV	Major-T2 Computer Networks	112208
23.	Computer Science	B.Sc. II	SEM-IV	Major-P Laboratory on OOP with C++	112209

	Major				
24.	Computer Science Major	B.Sc. II	SEM-IV	VSC-P Database using Access Laboratory	112604
25.	Computer Science Major	B.Sc. II	SEM-IV	SEC-P Laboratory on VB.Net	112605
26.	Computer Science Major	B.Sc. II	SEM-IV	FP/CES Field Project / Community Engagement Services in Computer Science: Phase-II	112711
27.	Computer Science Minor	B.Sc. II	SEM-IV	Minor-T Open-Source Software	112402
28.	Computer Science Minor	B.Sc. II	SEM-IV	Minor-P Open-Source Software Laboratory	112403
29.	GOEC	B.Sc. II	SEM-IV	GOEC-T Web Technologies	112505
30.	Computer Science	B.Sc.-3	Sem.-V	Subjects offered as per NEP - 2020	
31.	Computer Science	B.Sc.-3	Sem.-VI	Subjects offered as per NEP - 2020	

Paper Name with Code[NEP] For Class M. Sc. Computer Science (Sem I, II, III, IV)

S.N.	Subject	Class	Semester	Name of Paper	Paper Code
1	Computer Science	M.Sc. I	SEM-I	Research Methodology and IPR [FSC-RM]	20207
2	Computer Science	M.Sc. I	SEM-I	Computer System Organization [DSC-I]	20208
3	Computer Science	M.Sc. I	SEM-I	Data Structure with OOP [DSC-II]	20209
4	Computer Science	M.Sc. I	SEM-I	Database Management Technologies[DSC-III]	20210
Elective:					
5	Computer Science	M.Sc. I	SEM-I	Software Testing/MOOC DSE-I(2)/ MOOC	20212
Laboratories					
6	Computer Science	M.Sc. I	SEM-I	Lab Programming(C/C++/Java/ALP) based on 2,3 [Lab-I]	20214
7	Computer Science	M.Sc. I	SEM-I	Lab SQL/DBMS tools, MSsql, MySql based on 4 [Lab-II]	20215
8	Computer Science	M.Sc. I	SEM-I	Lab Based on DSE I (1) / DSE-I (2) / DSE-I(3) / MOOC Lab** [Lab-III]	20216[2]
9	Computer Science	M.Sc. I	SEM-II	Operating System Algorithms [DSC IV]	21945

10	Computer Science	M.Sc. I	SEM-II	Graphics Application programming [DSC V]	21946
11	Computer Science	M.Sc. I	SEM-II	Computer Network & Wireless Technology [DSC VI]	21947
Elective:					
12	Computer Science	M.Sc. I	SEM-II	Data Mining Data Warehouse/ MOOC [DSE II (3)/MOOC]	21950
Laboratories					
13	Computer Science	M.Sc. I	SEM-II	Lab Programming (C/C++/Java) based on 1 [Lab-IV]	21951
14	Computer Science	M.Sc. I	SEM-II	Lab Graphics Application programming based on 2 [Lab-V]	21952
15	Computer Science	M.Sc. I	SEM-II	Lab Based on DSE II (1) / DSE II (2) / DSE II (3) / MOOC Lab** [Lab-VI]	21955[3]
16	Computer Science	M.Sc. I	SEM-II	On job Training / Internship	11200
17	Computer Science	M.Sc. II	SEM-III	Artificial Intelligence and Machine Learning [DSC VII]	22859
18	Computer Science	M.Sc. II	SEM-III	Web Computing [DSC VIII]	22860
19	Computer Science	M.Sc. II	SEM-III	Design and Analysis of Algorithms [DSC IX]	22861
20	Computer Science	M.Sc. II	SEM-III	Network Security/ MOOC [DSE III (2)]	22863
Laboratories					
21	Computer Science	M.Sc. II	SEM-III	Lab LISP/Prolog/Python based on 1 [Lab-VII]	22865
22	Computer Science	M.Sc. II	SEM-III	Lab HTML/JS/CSS/.net/PHP based on 2 [Lab-VIII]	22866
23	Computer Science	M.Sc. II	SEM-III	Lab Based on DSE III (1)/ DSE III (2) / DSE III (3) / MOOC Lab** [Lab-IX]	22867[2]
24	Computer Science	M.Sc. II	SEM-III	Project Phase-I	22870
25	Computer Science	M.Sc. II	SEM-IV	Cloud Computing [DSC X]	23911
26	Computer Science	M.Sc. II	SEM-IV	Big Data [DSC XI]	23912
27	Computer Science	M.Sc. II	SEM-IV	Block Chain Technology [DSC XII]	23913
Elective:					
28	Computer Science	M.Sc. II	SEM-IV	Cyber Security/ MOOC [DSE IV(2)]	23915
Laboratories					
29	Computer Science	M.Sc. II	SEM-IV	Lab Cloud Computing and Big Data based on 1,2 [Lab-X]	23917
30	Computer Science	M.Sc. II	SEM-IV	Lab Block Chain based on 3 [Lab-XI]	23918

31	Computer Science	M.Sc. II	SEM-IV	Lab Based on DSE IV(1) / DSE IV(2) / DSE IV(3) /MOOC Lab** [Lab-XII]	23920[2]
32	Computer Science	M.Sc. II	SEM-IV	Project Phase-II	23922

Department of Mathematics

Paper Name with Code [NEP] For Class B. Sc. Mathematics (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Mathematics	B.Sc. I	I	Algebra & Calculus	126200
				Practical Based on 126200	126201
				GOEC I Foundation of Mathematics	126202
				GOEC II Financial Mathematics-I	126203
				SEC Applied Mathematics	126204
			II	Vector Analysis and Geometry	126205
				Practical Based on 126205	126206
				GOEC III Numerical Ability –I	126207
				GOEC IV Mathematics for Social Sciences	126208
				VSC Mathematics in MS-Office	126209
				SEC Transportation and Game Theory	126210
				2.	Mathematics
Advanced Calculus	126212				
Practical Based On 126211 & 126212	126213				
IKS in Mathematics	126214				
Integral Calculus & Trigonometric Series	126215				
Practical Based On 126215	126216				
GOEC V Reasoning Ability	126217				
VSC Mathematics For Information Technology	126218				
IV	Ordinary Differential Equations	126219			
	Elements Of Algebra	126220			
	Practical Based On 126219 & 126220	126221			
	Foundations Of Integral and Differential Equations	126222			
	Practical Based On 12622	126223			
	GOEC VI Competitive Mathematics	126224			
	VSC Business Calculus	126225			
SEC Practical Based On Equation Editor	126226				
3.	Mathematics	B.Sc. III	V	Mathematical Analysis	DSC - IX
4.				Mathematical Methods	DSC - X
5.			VI	Linear Algebra	24116
6.				Special Theory Of Relativity	24117

Department of English

Paper Name with Code [NEP] For Class B. A. English (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	AEC-English	BA I	First	Ability Enhancement Course	615202
2.	AEC-English		Second	Ability Enhancement Course	615202
3.	SEC-English	BA I	First	Life Skills I-Communication Skill in English	615203
4.	SEC-English		Second		
5.	DSC-English Language	BA I	First	DSC-English Language	615201
6.	DSC-English Language		Second		
7.	Major – English Language	BA II	Third		
8.	Paper : III			English For Competitive Examination –I	615211
9.	Paper : IV			Mass	615212
10.				Communication Through English	
11.	IKS-			Swami Vivekananda-: Karma Yoga	615213
12.	Major – English Language	BA II	Fourth		
13.	Paper : V			English For Competitive Examination	615215
14.	Paper : VI			Professional Communication Skill	615216
15.	IKS-			Swami Vivekananda-Bhakti Yoga	615217
16.	AEC-English	B. Sc. I	First	Ability Enhancement Course	125201
17.	AEC-English		Second	Ability Enhancement Course	125202
18.	VEC	B. Sc. I	First	Value Education Course	125302
19.	VEC		Second	Value Education Course	125303
20.	GOEC – Theory I	B. Sc. I/ B. Com. I	First	Media & Mass Communication	615204
21.	GOEC – Theory II		First	Business	615205

				Communication	
22.	GOEC – Theory III	B. Sc. I/ B. Com. I	Second	Practical English Grammar For Professionals	615206
23.	GOEC – Theory IV		Second	Effective English Communication & Soft Skill Development	615207
24.	AEC-English	B. Sc. II	Third	Ability Enhancement Course	125211
25.	AEC-English		Fourth	Ability Enhancement Course	125212
26.	GOEC- Theory V	B. Sc. II / B. Com. II	Third	Shakespearean Drama	125209
27.	GOEC- Theory VI		Fourth	Short Story	125210
28.	AEC-English	B. Com. I	First	Ability Enhancement Course	400109
29.	AEC-English		Second	Ability Enhancement Course	400210
30.	VEC	B. Com. I	First	Value Education Course	125302
31.	VEC		Second	Value Education Course	125303
32.	AEC-English	B. Com. II	Third	Ability Enhancement Course –English	401310
33.	AEC-English		Fourth	Ability Enhancement Course –English	401410

Department of Marathi

Paper Name with Code [NEP] For Class B. A. Marathi (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Marathi	B.A.1	I	DSC –Theory I अभ्यासपत्रिका १ भाषा : समज आणि स्वरूप	६३९२०१
2.				AEC Marathi Theory Paper I अभ्यासपत्रिका १ लेखन कौशल्ये	६३९२६१
3.				Skill Enhancement Course (SEC) Life Skill -1 मराठी कौशल्य विकास अभ्यासक्रम (SEC) अभ्यासपत्रिका १ जीवन कौशल्ये I संभाषण कौशल्य (प्रात्यक्षिक)	६३९२३१
4.	Marathi		II	DSC –Theory II अभ्यासपत्रिका २ मराठी भाषेचे वर्तमान	६३९२०२
5.				AEC Marathi Theory Paper II अभ्यासपत्रिका २ संभाषण कौशल्ये	६३९२६२
6.				SEC Life Skill II (PRACTICAL)	६३९२३२

				मराठी कौशल्य विकास अभ्यासक्रम (SEC) अभ्यासपत्रिका २ जीवन कौशल्य II व्यावसायिक कौशल्ये (प्रात्यक्षिक)	
7.	Marathi Literature	B.A.1	I	Theory Paper –I अभ्यासपत्रिका १ अर्वाचीन मराठी कविता	६४०२०१
8.				Theory Paper –II अभ्यासपत्रिका २ साहित्य प्रकाराचा अभ्यास : नाटक	६४०२०२
9.	Open Elective Course		I	OE –1 Theory Paper I OE –1 अभ्यासपत्रिका I स्पर्धा परीक्षा : मराठी भाषा व व्याकरण भाग १	६३९२५१
10.				OE –2 Theory Paper II OE –2 अभ्यासपत्रिका 2 स्पर्धा परीक्षा : मराठी भाषा व व्याकरण भाग २	६३९२५२
11.			II	OE –3 Theory Paper III OE –3 अभ्यासपत्रिका 3 स्पर्धा परीक्षा : मराठी भाषा व व्याकरण भाग ३	६३९२५३
12.				OE –4 Theory Paper IV OE –4 अभ्यासपत्रिका 4 स्पर्धा परीक्षा : मराठी भाषा व व्याकरण भाग ४	६३९२५४
13.	Marathi	B.A.2	Sem III (Vertical A)	DSC Marathi Language Major III theory मध्ययुगीन मराठी कविता भाग १	६३९२०३
14.				DSC Marathi Language Major IV theory उपयोजित मराठी भाग १	६३९२०४
15.				Major IKS DSC Marathi Language संत साहित्यातील जीवनमुल्ये भाग १	६३९२४१
16.				Minor DSC Marathi Language) मराठीचा लेखन वारसा भाग १	६३९२७१
17.			Sem IV (Vertical A)	DSC Marathi Language Major V theory मध्ययुगीन मराठी कविता भाग २	६३९२०५
18.				DSC Marathi Language Major VI theory उपयोजित मराठी भाग २	६३९२०६
19.				Major IKS DSC Marathi Language संत साहित्यातील जीवनमुल्ये भाग २	६३९२४२
20.	Vertical B		Minor DSC Marathi Language मराठीचा लेखन वारसा भाग २	६३९२७२	
21.			Minor Elective DSC Marathi Language Selected any one A १ मराठीतील मौखिक परंपरा : म्हणी व वाक्प्रचार	६३९२७३	
22.			B २ वऱ्हाडी कविता	६३९२७४	
23.	Marathi Literature	B.A.2	Sem III (Vertical A)	DSC Marathi Literature Major III theory साहित्यप्रकाराचा अभ्यास अनुभवकथन	६४०२०३
24.				DSC Marathi Literature Major IV theory मध्ययुगीन मराठी कथा	६४०२०४
25.				Major IKS DSC Marathi Literature संत साहित्यातील जीवनमुल्ये भाग १	६४०२४१
26.		Vertical B	Minor DSC Marathi Literature बहिणाबाईची गाणी	६४०२७१	
27.		B.A.2	Sem IV (Vertical A)	DSC Marathi Literature Major V theory साहित्यप्रकाराचा अभ्यास : कादंबरी	६४०२०५
28.				DSC Marathi Literature Major VI theory वैदर्भीय कथा	६४०२०६

29.				Major IKS DSC Marathi Literature संत साहित्यातील जीवनमुल्ये भाग २	६४०२४२
30.				Minor DSC Marathi Literature व वैदर्भीय ललित गद्य	६४०२७२
31.				Minor Elective V theory DSC Marathi Literature Selected any one A १ लोकसंस्कृतीचे उपासक	६४०२७३
32.				B २ वैदर्भीय लोकनाट्यपरंपरा	६४०२७४
33.		B.A.3	Sem V	मराठी अनिवार्य द्वितीय भाषा	१०११
34.	DSC मराठी वाड.मय			१०५२	
35.	DSE I मराठी वाड.मय			५०५२	
36.	Sem VI		मराठी अनिवार्य द्वितीय भाषा	१०११	
37.			DSC मराठी वाड.मय	१०५२	
38.			DSE I मराठी वाड.मय	५०५२	
39.	B.Com 1	Sem I	Vertical – E (iii) Ability Enhancement Course Marathi Communcation Skill I संवाद कौशल्य	४०००१०	
40.			Vertical – e (iii) Value Education Courses Marathi मूल्य शिक्षण मराठी -1	४००११३	
41.		Sem II	Vertical – E (iii) Ability Enhancement Course Marathi Communcation Skill II जाहिरात लेखन	४००२११	
42.			Vertical – e (iii) Value Education Courses Marathi मूल्य शिक्षण मराठी -2	४००२१३	
43.	B.Com 2	Sem III	AEC Marathi संवाद कौशल्य	४०१३११	
44.			OE Business Marathi व्यावसायिक मराठी	४०१३०८	
45.		Sem IV	AEC Marathi	४०१४११	
46.			OE Business Marathi व्यावसायिक मराठी	४०१४०७	
47.	B.Com 3	Sem V	मराठी अनिवार्य		
48.		Sem VI	मराठी अनिवार्य		
49.	B.Sc.1	Sem I	Vertical c AEC Marathi मराठी भाषा व व्याकरण अभ्यास भाग १	१२५२२१	
50.		Sem II	Vertical c AEC Marathi मराठी भाषा व व्याकरण अभ्यास भाग १	१२५२२२	
51.	B.Sc.2	Sem III	Vertical E AEC Marathi Communication Skill 3 संवाद कौशल्य ३	१२५२३१	
52.			Vertical C OE नेतृत्व कौशल्य leadership Skill	१२५२३३	
53.		Sem IV	Vertical E AEC Marathi	१२५२३२	

54.				भाषांतर कौशल्य (Translation Skill)	१२५२३४
				Vertical C OE सादरीकरण कौशल्य Presentation Skill	

Paper Name with Code [NEP] For Class M.A. मराठी (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	मराठी	M.A.I	I	संशोधन पद्धती आणि बौद्धिक संपदा अधिकार	२००५४
2.				मराठी साहित्याची सांस्कृतिक व सामाजिक पार्श्वभूमी (आरंभ ते १८८५)	२००५५
3.				साहित्यविचार	२००५६
4.				लोकसाहित्य	२००५७
5.				संतसाहित्य	२००५८
6.				महानुभाव साहित्य	२००५९
7.				विशेष वाङ्मयप्रकार कथा	२००६०
8.				विशेष वाङ्मयप्रकार कादंबरी	२००६०
9.				विशेष वाङ्मयप्रकार नाटक	२००६०
10.				प्रशिक्षण व कार्यानुभव	२००६२
11.				अभ्यासक्रमाशी संबंधित सेवाधीन प्रशिक्षण, सेवाअनुभव, क्षेत्रप्रकल्प	२००६३
12.			II	मराठी साहित्याची सांस्कृतिक व सामाजिक पार्श्वभूमी (१८८६ ते २०००)	२१०३१
13.				समीक्षाविचार	२१०३२
14.				लोकसाहित्य	२१०३३
15.				विशेष वाङ्मयप्रकार कविता	२१०३४
16.				विशेष वाङ्मयप्रकार चरित्र-आत्मचरित्र-आत्मकथन	२१०३५
17.				विशेष वाङ्मयप्रकार ललित गद्य	२१०३६
18.				विनोदी साहित्य	२१०३७
19.				प्रवासवर्णन	२१०३८
20.				प्रशिक्षण व कार्यानुभव	२१०३९
21.				अभ्यासक्रमाशी संबंधित सेवाधीन प्रशिक्षण, सेवाअनुभव, क्षेत्रप्रकल्प	२१०४०
22.		M.A.II	III	मराठी भाषा व साहित्य संशोधन समकालीन स्वरूप, सहायक विद्या आणि तंत्रज्ञानात्मक बदल	२२५३७
23.				उपयोजित मराठी	२२५३८
24.				भाषाविज्ञान	२२५३९
25.				ग्रामीण साहित्य	२२५४०
26.				आंबेडकरवादी साहित्य	२२५४१
27.				स्त्रीवादी साहित्य	२२५४२
28.				आदिवासी साहित्य	२२५४३
29.				मुस्लिम मराठी साहित्य	२२५४४
30.				मराठी भाषा व साहित्य संशोधन : कार्यानुभव	२२५४५
31.			संशोधन प्रकल्प (स्तर १)	२२५४६	
32.			IV	विशेष ग्रंथकार : विठ्ठल वाघ	२३५०७
33.				उपयोजित मराठी	२३५०८
34.				भाषाविज्ञान	२३५०९
35.				मराठी बालसाहित्य	२३५१०
36.				मराठी वैचारिक साहित्य	२३५११
37.				विज्ञान साहित्य	२३५१२
38.				भाषांतरित मराठी साहित्य	२३५१३
39.				वाचनसंस्कृती आणि ज्ञानविस्तार	२३५१४

40			उपयोजित मराठी : कार्यानुभव	२३५१५
41			संशोधन प्रकल्प (स्तर २)	२३५१६

Department of History

Paper Name with Code [NEP] For Class B. A. History (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
I	History	B.A.I	I	DSC I History of Jainism and Buddhism in Ancient India	629201
I				OE1- History of Saints and Reformers of Vidarbha	629202
I				OE2- History of Selected Social Reformers of Maharashtra	629203
4			II	DSC II - History of India (700 AD – 1200)	629204
5				OE3- History of Selected World	629205
6				OE4- Pre-Ambedkar Social Movements in Vidarbha (1850-1920)	629206
7		II	III	Major- III History of India (1206 -1525 AD)	629207
8				Major- IV History of India (1526-1707 AD)	629208
9				Major-IKS Ancient Indian Numismatics	629251
10				Minor- III History of Ancient India and Culture (Beginningto1206 AD)	629261
11				OE 5-Indian Iconography (History)	629271
12				OE-6-Tourism In Maharashtra	629272
13			IV	Major - V History of Maratha 1600 AD-1707 AD)	629209
14				Major - VI History of Social Movement of Maharashtra (1848-1960)	629210
15				Major –IKS Medieval Indian Numismatics	629252
16				Minor - IV History of Medieval India andCulture(1206 AD-1756 AD)	629262
17		Minor- Elective- V (A) History of America (1776 -1965)		629263	
18		Minor- Elective- V (B) History of Russia (1900–2000)		629264	
19		III	V	History of Modern World (From-1780 to 1920)	1021
20				History of Social Reformers in Modern Maharashtra	1112
21			VI	History of Modern World(From-1921 to 1965 AD)	1021
22				History of Farmers' Movements in Modern Maharashtra	5021

Paper Name with Code [NEP] For Class M.A. History (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1	History	I	I	Research Methodology and Intellectual Property Rights	HIS-RM-110
2				History of Ancient India (Beginning to 600 CE)	HIS-M-101
3				History of The Marathas(1630 CE - 1707 CE)	HIS-M-102
4				Tourism: Management and Operations	HIS-M-103
5				Philosophical schools of History	HIS-M-104
6				History of Social Movements in United States of America	HIS-E-101
7				History of Modern Vidarbha (1920 CE - 1960 CE)	HIS-E-102
8				Dr. Panjabrao Deshmukh Life & Works	HIS-E-103
9			II	History of Contemporary India (1947 CE-2000 CE)	HIS-M-201
10				Emancipatory movements of depressed classes in India	HIS-M-202
11				Heritage Conservation and Management	HIS-M-203
12				Political History of the Marathas(1707 CE – 1818 CE)	HIS-M-204
13				History of South East Asia (1945 CE-2000 CE)	HIS-E-201
14				History of the Rajput(700 to 1600 A.D.)	HIS-E-202
15				History of Modern Maharashtra (1818 CE-1960 CE)	HIS-E-203
16				Historical Study of Sant Gadge Baba Reformation Movement	HIS-E-204
17			III	Historiography	HIS-M-301
18				India Under Sultanate (1206 to 1525 CE)	HIS-M-302
19				Social Reformers in Modern Maharashtra (1848 to 1980)	HIS-M-303
20				History of Art in Maharashtra	HIS-M-304
21				WOMEN IN INDIAN HISTORY (Beginning to 1947 CE)	HIS-E-301
22				History of Buddhism	HIS-E-302
23				Heritage Tourism in Maharashtra	HIS-E-303
24				History of Modern China 20th century	HIS-E-304
25				Gandhian Thought	HIS-E-305
26				IV	India Under the Mughals (1526-1707 CE)
27			History of Freedom Movement in India(1857-1947 CE)		HIS-M-402
28			Contemporary World (1945-2000 CE)		HIS-M-403
29			Constitutional Provisions for the Marginal Sections in India		HIS-M-404
30			Indian Women since Independence (1947-2010 CE)		HIS-E-401
31			History of Science and Technology		HIS-E-402
32			Heritage Tourism in India		HIS-E-403
33			History of USSR	HIS-E-404	

34				Babasaheb Ambedkar : Life & Work	HIS-E-405
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Department of Political Science

Paper Name with Code [NEP] For Class B. A. Political Science (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Political Science	B.A.I	I	DSC I (Th)-Introduction to Political Science	650200
		GOEC B.SC I		OE1- Constitutional Values & Fundamental Principles of the Indian Constitution	650201
				OE2- Election Process in India	
2.		GOEC B.SC I	II	DSC II (Th)-Preamble and Nature of Indian Political System	650203
				OE3- Women's Political Reservation in India	650204
				OE4- Nature of Civil Service Exam (UPSC/MPSC)	650205
3.		B.A.II	III	Major-III (Theory) Indian Constitution and Central Government	650206
				Major-IV- (Theory) Indian Constitution and State Government	650207
				Major-IKS DSC Political Science Good Governance and Public Policy of Chhatrapati Shivaji Maharaj	650241
	Minor-III (Theory) Election Management in India			650261	
	GOEC B.SC II			OE-5-Local Self Institution in Maharashtra (Part 1) (Gram Panchayat, Gram sabha and Muncipal Corporation)	650221
OE6-Local Self Institution in Maharashtra (Part 2) (Panchayat Samiti ,Zillha Parishad,Muncipal Council,Nagar Panchayat)		650222			
4.	B.A.II	IV	Major-V(Theory) Governance,Constitutionalism and Comperative Perspective of the UK and USA	650208	
			Major-VI (Theory) Indian Political Thinkers	650209	
			Major-IKSIndian Political Thought: Kautilya	650242	
			Minor-IV (Theory) Indian Constitution: Structure and Federal Framework	650262	

5.				Minor Elective – V (A) (Theory)- Political Party System and Pressure Groups in India	650263
				Minor Elective – V (B) (Theory)- Recent Trends in Indian Political system	650264
6.		B.A.III	V	Modern Concepts and Policy in Politics	DSC – POL-1025
				Panchayat Raj System in Maharashtra	DSE I – POL101- 5052
			VI	Political Concepts and Philosophy	DSC – POL-1025
				Political Party system in India	DSE II – POL101-5052

Paper Name with Code [NEP] For Class M.A. Political Science (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1	Political Science	M.A.I	I	Research Methodology and IPR	20096
				Indian Political Thought	20097
				Indian Government and Politics	20098
				Public Administration	20099
				International Relations	20101
2			II	Major Issues in Contemporary World Politics	21922
				Political Thought in Maharashtra	21921
				State Politics in India	21920
				Socio- Political Movements in India	21925
3			III	DSC-I-3- Political Theor	22788
				DSC-II-3-Applied Research Methodology in Political Science	22789
				DSC-III-3- Indian Foreign Policy	22790
				DSC-III-C- International Law	22793
				SEC 1- Public opinion and Survey Research	22794
				SEC 1-legislative Practices and Procudures	22795
	Reseacch Project Phase-I	22796			
4	M.A.II	IV	DSC-IV-I- Western Political Thoughts	23577	
			DSC-IV-II- Election Management in India	23578	
			DSC-IV-III- Theory & Practices of Diplomacy	23579	
			DSE-VI –B- Politics of Maharashtra	23581	
			SEC- Legislative Practice and Procedure	23582	
			RP- Major-Research Project Phase-II	23583	

Department of Economics

Paper Name with Code [NEP] For Class B. A. Economics (Sem I, II, III, IV,

V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code	
1.	Economics	B.A.I	I	Introductory Economy	613101	
2.				GOEC (TH) - I Financial Literacy GOEC (TH) - II Digital Banking	613271 613272	
3.			II	Indian Agriculture	613102	
4.				GOEC (TH) - III Entrepreneurship Development GOEC (TH) – IV Agro-Based Industry	613273 613274	
5.			B.A.II	III	-Major-III-(TH) Macro Economics	613203
					-Major-IV-(TH) Public Economics	613204
-Major-IKS- Indian Economic Thinkers-I					613241	
-Minor-III (TH) - Money Income & Employment					613261	
6.		GOEC-(TH) -5 Economics in Competitive Examination GOEC-(TH) -6 Financial Institutions (Economics)			613275 613276	
7.		IV		Major-V (TH) Cooperation	613205	
				Major-VI (TH) Banking	613206	
				Major- IKS- Indian Economic Thinkers –II	613242	
			Minor – IV (TH) Economy Of Vidarbha Minor –V (TH) Demography	613262 613264		
8.		B.A.III	V	As Per (NEP)		

9.			VI	As Per (NEP)	
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Paper Name with Code [NEP] For Class M.A. Economics (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Economics	M.A.I	I	Research Methodology & IPR	20030
2.				Advanced Micro Economics - I	20031
3.				Advanced Macro Economics - I	20032
4.				Agriculture Economics	20033
5.				Rural & Urban Development	20035
6.			II	Advanced Micro Economics - II	21850
7.				Advanced Macro Economics - II	21851
8.				Public Economics	21852
9.				Cooperation	21854
10.				On Job training	11200
11.		M.A.II	III	Economic Growth Development & Planning - I	22797
12.				International Trade Finance - I	22798
13.				Indian Economic Policy	22799
14.				Labour Economic Policy	22800
15.				Research Project Phase Phase - I	22803
16.			IV	Economic Growth Development & Planning - II	23483
17.				International Trade Finance - II	23484
18.				Economic of Tourism	23485
19.				Industrial Economics	23486
20.				Research Project Phase - II	23489

Paper Name with Code [NEP] For Class B. Com. (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Major/Minor	B.Com.I	I	1) Financial Accounting 2) Indian Contract Act – I 3) Dynamics of Management – I 4) Micro Economics – I	400100 400101 400102 400103
2.	GOEC			5) Introduction to Share Market 6) Introduction to Accounting	400104 400105
3.	SEC			7) Computer Skills - I	400108
4.	IKS			8) Indian Knowledge System	400111
5.	C.C.			9) Co-curriculum Courses	11005
6.	Major/Minor	B.Com.I	II	1) Advance Accounting 2) Indian Contract Act – II 3) Dynamics of Management – II 4) Micro Economics - II	400200 400201 400202 400203
7.	GOEC			5) Basics of Economics 6) Entrepreneurship Development	400204 400205
8.	VSC			7) Accounting with Tally	400208
9.	SEC			8) Computer Skills - II	400209
10.	CC			9) Co-curriculum Courses	
Major in Accounting & Taxation and Minor in Business Dynamics					
11.	Major	B.Com.II	III	1) Company Account 2) Company Law 3) Income Tax – I	401300 401301 401302
12.	Major - IKS			4) History of Commerce and Accounting	401303
13.	Minor			5) Introduction in Macro Economics 6) Dynamics of Marketing	402304 402305
14.	GOEC			7) Principles of Company Law	401306
15.	VSC			8) Database Management Skill	401309
16.	FP/CES			9) Field Project	401312
17.	CC			10) Co-Curriculum Courses	
----- OR -----					
Major in Business Dynamics and Minor in Accounting & Taxation					
11.	Major	B.Com.II	III	1) Macro Economics - I 2) Marketing Management 3) Production and Operation Management	402300 402301 402302
12.	Major - IKS			4) Indian Economist & Philosophy	402303
13.	Minor			5) Direct Tax 6) Accounting for Joint Stock Companies	401304 401305
14.	GOEC			7) Fundamentals of Indian Budget	402306
15.	VSC			8) Marketing Communication	402309
16.	FP/CES			9) Field Project	402312
17.	CC			10) Co-Curriculum Courses	
Major in Accounting & Taxation and Minor in Business Dynamics					
18.	Major	B.Com.II	IV	1) Corporate Accounting 2) Business Mathematics &	401400 401401

				Statistics 3) Income Tax - II	401402
19.	Minor			4) Human Resources Planning 5) Recent Trends in Banking	402403 402404
20.	GOEC			6) Consumer Protection Act	401405
21.	VSC			7) Forensic Accounting in India	401408
22.	SEC			8) Spreadsheet Skill	401409
23.	FP/CES			9) Field Project	401412
24.	CC			10) Co-Curriculum Courses	

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Major in Business Dynamics and Minor in Accounting & Taxation

18.	Major	B.Com.II	IV	1) Macro Economics - II 2) Modern Banking 3) Human Resource Development	402400 402401 402402
19.	Minor			4) Fundamentals of Statistics 5) Advance Corporate Accounting	401403 401404
20.	GOEC			6) Integrated Marketing Communication	402405
21.	VSC			7) Understanding Budget	402408
22.	SEC			8) Team Building	402409
23.	FP/CES			9) Field Project	402412
24.	CC			10) Co-Curriculum Courses	

From the Academic Year 2026-27 NEP course will be applicable to B.Com.III (Sem-V & VI) year student but the syllabus is not available on the University Portal hence it is not shown here. Whenever it will published by University we share the same with our student.

Paper Name with Code [NEP] For Class M.Com. (Sem I, II, III, IV)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.		M.Com.I	Sem- I	1) Research Methodology & Intellectual Property Right 2) Managerial Economics 3) Advance Cost Accounting 4) Service Marketing 5) Banking and Insurance Services	NEP/11 NEP/12 NEP/13 NEP/14 NEP/15
2.		M.Com.I	Sem- II	1) Accounting for Managerial Decision 2) Strategic Management 3) Organisational Behaviour & Development 4) Computer Application in Business 5) Field Project	20987 20988 20989 20990 11200
3.		M.Com.II	Sem- III	1) Statistical Analysis for Advance Research 2) Corporate Tax Planning & Management 3) Financial Institutions and Market 4) E-Commerce and Legal Security-I 5) Research Project – Phase - I	NEP-301 NEP-302 NEP-303 NEP-304
4.		M.Com.II	Sem-IV	1) Entrepreneurship & Skill Development 2) International Financing 3) International Marketing 4) E-Commerce & Legal Security-II 5) Research Project	23592 23593 23594 23595 23599

Department of Physical Education

Paper Name with Code [NEP] For Class B. Sc./B. A. /B. Com. (Sem I, II, III, IV, V, VI)

Sr. No.	Subject	Class	Semester	Name of Paper	Paper Code
1.	Yoga Education	B.Sc. I	I (NEP)	Co-Curricular Courses (CC) Theory	11005
2.	Fostering Social Res. And Community Engagement	B. A.I	I (NEP)	Co-Curricular Courses (CC) Theory	110005
3.	Field Work-Fostering Social Respo. & Comm. Engage.	B. A.I	I (NEP)	Co-Curricular Courses (CC) Theory	110006
4.	Yoga Education, fitness, health & wellness	B.A. I	II (NEP)	Co-Curricular Courses (CC) Theory	11007
5.	Yoga Education	B. Com. I	I (NEP)	Co-Curricular Courses (CC) Theory	11005
6.	Health and Wellness	B. Sc. II	III (NEP)	Co-Curricular Courses (CC) Theory	11008
7.	Health and Wellness	B. Com. II	III (NEP)	Co-Curricular Courses (CC) Theory	11008
8.	NSS-UBA-Cultural-Sports-Yoga etc.	B. A. II	III (NEP)	Theory	11009
9.	Sports (Indoor and Outdoor Games)	B. Sc. III	VI (CBCS)	Co-curricular /Extracurricular Activity Theory	11700
10.	Sports (Indoor and Outdoor Games)	B. Com. III	VI (CBCS)	Co-curricular /Extracurricular Activity Theory	11700
11.	Sports (Indoor and Outdoor Games)	B. A. III	VI (CBCS)	Co-curricular /Extracurricular Activity Theory	11700