



SHIVAJI UNIVERSITY, KOLHAPUR.

Circular No 229 Winter Session Theory Exam

Final Programme of M.Sc Part II (Sem III, IV) C.B.C.S

(Course Code 205,2341) Zoology, Organic, Inorganic, Physical, Analytical, Industrial, and Applied Chemistry, Botany, Horizontal Mobility (Bio-Tech, Bio-Chemistry, Environmental-Biotech, Microbiology, Pharmaceutical, Microbiology), Agrochemical & pest Management, Electronics, Computer Science, , Geology General Microbiology Examination of Oct/Nov 2022 to be held in January 2023.

INSTRUCTION:- Common instruction as per Circular No SU/Appointment /On Exam/29/dated 01-02-2020 and also available on University Website www.unishivaji.ac.in

1. The Centers and Places for Examination for written examination will be as under:

Sr.No	Exam	College /Dept Code	Places/Exam Centre
1	M.Sc Zoology, Computer Sci, Organic, Analytical Physical, Inorganic Chemistry Botany, Electronics, Applied Chemistry, Industrial Chemistry, Horizontal Mobility (Bio-Tech, Biochem, Micro ,Env-Biotech), Agro Chemical and Pest Mgt	264	Shivaji University Science Teaching Department. Campus. KOLHAPUR
2	M. Sc. Analytical Chemistry	31	Rajaram College, Kolhapur
3	M.Sc. Geology	260	Gopal Krishna Gokhale College, Kolhapur Dist-Kolhapur
4	M.Sc Organic Chemistry	01	Vivekanand College, Kolhapur Dist-Kolhapur
5	M.Sc. Physical Chemistry	32	Rajarshri Chh. Shahu College Kadamwadi Kolhapur Dist-Kolhapur
6	M.Sc Botany, Analytical Chemistry, Comp Sci	30	The New college Kolhapur
7	M.Sc. Agrochemical & Pest Management, Organic Chemistry General Microbiology	48	Devachand College, Arjunnagar , Dist-Kolhapur
8	M.Sc Analytical Chemistry	43	Jaysigpur College, JAYSINGPUR, Dist-Kolhapur
9	M. Sc. Botany, Organic Chemistry	38	Dattajirao Kadam Arts, Science & Comers Ichalkaranji Dist -Kolhapur
10	M. Sc. Computer Science, M.Sc Organic Chemistry	03	Shivraj College of Arts, Commerce & D. S. Kadam Science college Gadhinglaj Dist.Kolhapur.
11	M.Sc General Microbiology, Analytical Chemistry	47	Dr.Ghali college Gadhinglaj Dist-Kolhapur
12	M.Sc. Computer Science, . M.Sc.Physical Chemistry	90	Karmveer Bhaurao Patil College, Urun -Islampur. Dist- Sangli
13	M.Sc. Computer Science, , Organic	88	Smt Kusumtai Rajarambapupatil kanya Mahavidyalya Urun-Islampur . Dist-Sangli
14	M.Sc. Computer Science, Zoology, Organic Chem	104	Arts, Commerce & Science College, Palus Dist-sangli
15	M.Sc Organic Chemistry , Botany, Zoology	92	Padm Bhushan DR. Vasantrao dada patil Mahavidyalya, Tasgaon Dist-Sangli
16	M.Sc Analytical, Organic Chemistry, General Microbiology	73	Dr.Patangrao Kadam Mahavidyalya Sangalwadi Dist-Sangli
17	M.Sc Comp Sci, Electronics, Organic Chemistry, General Microbiology	78	Smt Kasturbai Walchand college Sangli , Dist -Sangli
18	M.SC Organic Chemistry, Electronics, Comp Sci	80	Willingdon College Sangli , Dist-Sangli

Sr.No	Exam	College /Dept Code	Places/Exam Centre
19	M.Sc. Inorganic, Organic, Analytical chemistry,Zoology,General Microbiology	86	Balwant College, Vita Dist-Sangli
20	M.Sc., Analytical Chemistry	436	Shri Yashwantrao Patil ScienceCollege Solankur , Tal- Radhanagri,Dist-Kolhapur
21	M. Sc. Botany	101	Matoshri Bayyabai Shripathrao Kadam Kanya Mahavidyalya, Kadegaon Dist Sangli
22	M.Sc Botany, Organic Chemistry, Zoology,Electronics	149	Yashwantrao Chavan Institute of Science Satara , Dist-Satara
23	M.Sc. Analytical Chemistry, Zoology,Organic Chemistry	145	Lal Bahadur Shastri college Satara
24	M.Sc. Organic Chemistry	164	Dahiwadi College, Dahiwadi Dist-Satara
25	M.Sc.,Analytical Chemistry, Microbiology (CBCS-R),General Microbiology,Botany,Comp Sci,Organic Chemi	158	Yashwantrao Chavan college ofScience College, Karad Dist-Satara
26	M.Sc.Zoology ,Computer Sci,, Organic Chemistry.	156	Sadguru Gadge Maharaj College Karad Dist-Satara
27	M.Sc., Analytical Chemistry	159	Balasaheb Desai College, Patan Dist-Satara
28	M.Sc., Organic Chemistry,	161	Kissan Veer Mahavidyalaya, Wai . Dist-Satara
29	M.Sc. Analytical Chemistry	94	RajeRamrao Mahavidyalya Jath DistSangli
30	M.Sc. Analytical Chemistry,Zoology	50	Yashwantrao Chavan WanaMahavidylaya Warananagar Dist-Kolhapur
31	M.Sc. Analytical Chemistry	162	D.P.Bhosale College Koregaon Dist Satara.
32	M.Sc. Analytical Chemistry	93	Dr.Patangrao Kadam Mahavidyalya Ramanadnagar(Burli) Kirloskarwadi Tal.Palus Dist Sangali.
33	M.Sc. Analytical,,Organic Chemistry	106	Deshbhakat Anandrao BalwantraoNaik Arts & Science College Chikkali Tal-shirala Dist-Sangli
34	M.Sc. Analytical Chemistry	103	Krantisinh Nana Patil Mahavidyalya walva TalWalva Dist-Sangli
35	M.sc Organic chemistry	83	Shikshan Maharashi Dr.Bapuji Salunkhe Mahavidyalya Miraj DistSangli
36	M.Sc General Microbiology	84	Miraj Mahavidyalya Miraj DistSangli
37	M.Sc Organic Chemistry	51	Bhogawati Mahavidyalya Kurukali Tal-Karveer Dist-Kolhapur
38	M.Sc. Analytical Chemistry	67	M.H.Shinde Mahavidyalya Tisangi Tal-Gaganbawada Dist-Kolhapur
39	M.Sc. Analytical Chemistry, Organic	429	Padmashree Dr.G.G Jadhav Mahavidyalya Ganganbawada Dist-Kolhapur
40	M.Sc Organic Chemistry	151	Mudhoji College Phaltan Dist-Satara

Coure Code- 2341	Branch –M.Sc Part II-Sem-III ZOOLOGY (C.B.C.S.)			
	New Revised From Oct. 2022			
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85462	Genetics	Thursday 05-01-2023	From 10.30am to 1.30pm
CBE- 302	CHOOSE ANY ONE OF THE FOLLOWING		Saturday 07-01-2023	
	85463	Enzymology		
	89057	Laboratory Animals in Biomedical Research		
CHOOSE ANY ONE OF THE FOLLOWING			Monday 09-01-2023	
CCS- 303	85464	Molecular Biology of the Gene		
	85465	Animal Physiology		
	85466	Basic Entomology		
	85467	Fisheries Resources Inland and Marine fisheries		
	85468	General Sericulture and management of Mulberry		
CHOOSE ANY ONE OF THE FOLLOWING			Wednesday 11-01-2023	
CCS- 304	85469	Development Biology		
	85470	Applied Physiology		
	85471	Agricultural Entomology		
	85472	Fish Pathology & Reproductive Endocrinology		
	85473	Silkworm Biology and Rearing Technology		

Course Code-205	Branch –M.Sc Part II-Sem-III ZOOLOGY(C.B.C.S.)				New Revised From Oct. 2020
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-301	80554	Genetics	Thursday 05-01-2023	From 10.30am to 1.30pm	
CBE-302	CHOOSE ANY ONE OF THE FOLLOWING		Saturday 07-01-2023		
	80555	Enzymology			
	89966	Laboratory Animals in Biomedical Research			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-303	80556	Molecular Biology of the Gene	Monday 09-01-2023		
	80558	Animal Physiology			
	80560	Basic Entomology			
	80562	Fisheries Resources Inland and Marine fisheries			
	80564	General Sericulture and management of Mulberry			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-304	80557	Development Biology	Wednesday 11-01-2023		
	80559	Applied Physiology			
	80561	Agricultural Entomology			
	80563	Fish Pathology & Reproductive Endocrinology			
	80565	Silkworm Biology and Rearing Technology			

Branch –M.Sc Part II-Sem-IV ZOOLOGY(C.B.C.S.)				
New Revised From March 2021			Course Code-205	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	81609	Animal Cell Culture	Friday 06-01-2023	From 2.30pm To 5.30pm
CHOOSE ANY ONE OF THE FOLLOWING			Tuesday 10-01-2023	
CBE-402	81610	Toxicology		
	81611	Evolution and Behavior		
CHOOSE ANY ONE OF THE FOLLOWING			Thursday 12-01-2023	
CCS-403	81612	Immunology		
	81614	Physiology of Health		
	81616	Insect Anatomy and Physiology		
	81618	Aquaculture practices		
	83076	Breeding of silkworm,mulberry& cytogenetics		
CHOOSE ANY ONE OF THE FOLLOWING			Saturday 14-01-2023	
CCS-404	81613	Cell Pathology		
	81615	Clinical Physiology		
	81617	Pest Management Concepts		
	81619	Fishery Technology		
	83177	Silkworm Seed, Silk Production Technology and Economics		

M.Sc Computer Science(C.B.C.S)

Branch –M.Sc Part II-Sem-III Computer Science(C.B.C.S.)				New Revised From Oct 2022
Course code-2341				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-302	85334	Advanced Web Technology	Thursday 05-01-2023	From 10.30am to 1.30pm
CC-303	85335	PHP	Saturday 07-01-2023	
Choose Any One of the Following				
CE-304	85336	Software Quality Assurance	Monday 09-01-2023	
	85337	Advanced Data & Science		
	85338	Network Security Analyst		
	85339	Internet Of Things		
SWM301	85333	Artificial Intelligence	Wednesday 11-01-2023	

M.Sc Computer Science(C.B.C.S)

Branch –M.Sc Part II-Sem-III Computer Science (C.B.C.S.)				New Revised From Oct 2020
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-302	80498	Advanced Web Technology	Thursday 05-01-2023	From 10.30am to 1.30pm
CC-303	80499	PHP	Saturday 07-01-2023	
Choose Any One of the Following				
CE-304	80500	Software Quality Assurance	Monday 09-01-2023	
	80501	Advanced Data & Science		
	80502	Network Security Analyst		
	80503	Internet Of Things		
SWM301	80497	Artificial Intelligence	Wednesday 11-01-2023	

M.Sc Part II :- Sem III PHYSICAL CHEMISTRY (C.B.C.S.)				New Revised From March 2020 Exam
Course code-2341				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85422	Advanced Quantum Chemistry	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	85423	Electrochemistry	Saturday 07-01-2023	
XI	85424	Molecular structure	Monday 09-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	85425	Solid State Chemistry	Wednesday 11-01-2023	
	85426	Advanced Chemical Kinetics		
	85427	Radiation and Photochemistry		

M.Sc Physical Chemistry (C.B.C.S)

M.Sc Part II :- Sem III PHYSICAL CHEMISTRY (C.B.C.S.)				New Revised From March 2020 Exam
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80481	Advanced Quantum Chemistry	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	80482	Electrochemistry	Saturday 07-01-2023	
XI	80483	Molecular structure	Monday 09-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO.XII	80484	Solid State Chemistry	Wednesday 11-01-2023	
	80485	Advanced Chemical Kinetics		
	80486	Radiation and Photochemistry		

M.Sc Physical Chemistry (C.B.C.S)

Course code-205				M.Sc Part II :- Sem IV PHYSICAL CHEMISTRY (C.B.C.S.)		New Revised From March 2021 Exam	
Paper No		Paper Code	Paper Name		Day and Date		Paper Time
XIII		81571	Thermodynamics and MolecularModeling		Friday 06-01-2023		From 10.30am to 1.30pm
XIV		81572	Chemical Kinetics		Tuesday 10-01-2023		
XV		81573	Molecular Structure – II		Thursday 12-01-2023		
PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER							
PAPER NO.XVI		81574	Surface Chemistry		Saturday 14-01-2023		
		81575	Chemistry of Materials				
		81576	Biophysical chemistry				

M.Sc Analytical Chemistry (C.B.C.S)

M.Sc Part II :- Sem III Analytical CHEMISTRY (C.B.C.S.) Course code-2341				New Revised From Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85284	Advanced Analytical Techniques	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	85285	Organo Analytical chemistry	Saturday 07-01-2023	
XI	85286	Electro analytical Techniques in chemical Analysis	Monday 09-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	85288	Environmental chemical Analysis and control	Wednesday 11-01-2023	
	85289	Recent advances in Analytical Chemistry		
	85287	Chemical Analysis in Agro Food And Pharmaceutical Industries		

M.Sc Part II :- Sem III Analytical CHEMISTRY (C.B.C.S.) Course code-205				New Revised From Oct 2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80489	Advanced Analytical Techniques	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	80490	Organo Analytical chemistry	Saturday 07-01-2023	
XI	80491	Electro analytical Techniques in chemical Analysis	Monday 09-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	80492	Environmental chemical Analysis and control	Wednesday 11-01-2023	
	80493	Recent advances in Analytical Chemistry		
	80494	Chemical Analysis in Agro Food And Pharmaceutical Industries		

M.Sc Analytical Chemistry (C.B.C.S)

M.Sc Part II :- Sem IV Analytical CHEMISTRY (C.B.C.S.) Course code-205				New Revised From March 2021Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81580	Modern Separation method in Analysis	Friday 06-01-2023	From 10.30am to 1.30pm
XIV	81581	Organic Industrial Analysis	Tuesday 10-01-2023	
XV	81582	Advanced Methods in ChemicalAnalysis	Thursday 12-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XVI	81583	Applied Analytical Chemistry	Saturday 14-01-2023	
	81584	Quality Assurance and Accreditation		
	81585	Techniques in Forensic Science andMicrobiological Analysis		

M.Sc Inorganic Chemistry (C.B.C.S)

M.Sc Part II :- Sem III Inorganic CHEMISTRY (C.B.C.S.) Course code-2341				New Revised From Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85381	Inorganic Chemical Spectroscopy	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	85382	Co-Ordination Chemistry	Saturday 07-01-2023	
XI	85383	Nuclear Chemistry	Monday 09-01-2023	
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XII	85384	Organometallic and BioinorganicChemistry	Wednesday 11-01-2023	
	85385	Selected Topics in Inorganicchemistry		

M.Sc Inorganic Chemistry (C.B.C.S)

M.Sc Part II :- Sem III Inorganic CHEMISTRY (C.B.C.S.) Course code-205				New Revised From Oct 2020Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80460	Inorganic Chemical Spectroscopy	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	80461	Co-Ordination Chemistry	Saturday 07-01-2023	
XI	80462	Nuclear Chemistry	Monday 09-01-2023	
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XII	80463	Organometallic and BioinorganicChemistry	Wednesday 11-01-2023	
	80464	Selected Topics in Inorganicchemistry		

M.Sc Inorganic Chemistry (C.B.C.S)

M.Sc Part II :- Sem IV Inorganic CHEMISTRY (C.B.C.S.)Course code-205				New Revised From March 2021 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81554	Instrumental Techniques	Friday 06-01-2023	From 10.30am To 1.30pm
XIV	81555	Co-Ordination Chemistry	Tuesday 10-01-2023	
XV	81556	Chemistry of Inorganic Materials	Thursday 12-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XVI	81557	Energy and Environmental Chemistry	Saturday 14-01-2023	
	81558	Radiation Chemistry		

M.Sc Part II :- Sem III Organic CHEMISTRY (C.B.C.S.) Course code-2341				New Revised from Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85415	Organic Reaction Mechanism	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	85411	Advanced Spectroscopic Methods	Saturday 07-01-2023	
XI	85412	Advanced Synthetic Method	Monday 09-01-2023	
CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER				
XII	85416	Drugs and Heterocycles	Wednesday 11-01-2023	
	85417	Polymer chemistry		

MSc Organic Chemistry (C.B.C.S)

M.Sc Part II :- Sem III Organic CHEMISTRY (C.B.C.S.) Course code-205				New Revised from Oct2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80474	Organic Reaction Mechanism	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	80475	Advanced Spectroscopic Methods	Saturday 07-01-2023	
XI	80476	Advanced Synthetic Method	Monday 09-01-2023	
CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER				
XII	80477	Drugs and Heterocycles	Wednesday 11-01-2023	
	80478	Polymer chemistry		

M.Sc Part II :- Sem IV Organic CHEMISTRY (C.B.C.S.) Course code-205				New Revised From March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81564	Theoretical Organic Chemistry	Friday 06-01-2023	From 10.30am To 1.30pm
XIV	81565	Stereochemistry	Tuesday 10-01-2023	
XV	81566	Chemistry of Natural Products	Thursday 12-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XVI	81567	Applied Organic Chemistry	Saturday 14-01-2023	
	81568	Bio-organic Chemistry		

M.Sc Part II :- Sem III Applied CHEMISTRY (C.B.C.S.) Course code-2341				New Revised From Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85290	Applied Inorganic Chemistry-I	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	85291	Applied Organic chemistry-I	Saturday 07-01-2023	
XI	85292	Applied Physical Chemistry-I	Monday 09-01-2023	
Paper No XII CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER				
XII	85293	Advanced Organic chemistry-I	Wednesday 11-01-2023	
	85294	Applied Analytical Chemistry-I		
	85295	Bioorganic Chemistry-I		

M.Sc Applied Chemistry (C.B.C.S)

M.Sc Part II :- Sem III Applied CHEMISTRY (C.B.C.S.)				New Revised From Oct 2020Exam
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80368	Applied Inorganic Chemistry-I	Thursday 05-01-2023	From 2.30pm To 5.30pm
X	80369	Applied Organic chemistry-I	Saturday 07-01-2023	
XI	80370	Applied Physical Chemistry-I	Monday 09-01-2023	
Paper No XII CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER				
XII	80371	Advanced Organic chemistry-I	Wednesday 11-01-2023	
	80372	Applied Analytical Chemistry-I		
	80373	Bioorganic Chemistry-I		

M.Sc Applied Chemistry (C.B.C.S)

M.Sc Part II :- Sem IV Applied CHEMISTRY (C.B.C.S.)				New Revised From March 2021
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	80377	Applied Inorganic Chemistry -II	Friday 06-01-2023	From 10.30am To 1.30pm
XIV	80378	Applied Organic Chemistry-II	Tuesday 10-01-2023	
XV	80379	Advance Organic Chemistry-II	Thursday 12-01-2023	
Paper No CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER				
XVI	80380	Inorganic Chemical Industries	Saturday 14-01-2023	
	80381	Pollution Monitoring Control		
	80382	Applied Analytical Chemistry-II		

Course code-2341			M.Sc Part II., :- Sem – III BOTANY		New Revised from Oct 2022 exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CCS-301	85317	Cytogenetic & Crop Improvement	Thursday 05-01-2023	From 10.30am To 1.30pm	
DSE-304	85318	Biotechnology and GeneticEngineering	Saturday 07-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-302	85319	Adv.Plant Physiology & Plant Biochemistry	Monday 09-01-2023		
	85320	Taxonomy of Fungi			
	85321	Cytogenetic			
	85322	Environment & Its Aspects			
	85323	The evolution and Classification of Angiosperm			
	85324	General Marine Botany			
	85325	Plant Tissue Culture			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-303	85326	Plant Growth & Development	Wednesday 11-01-2023		
	85327	Integrated Disease Management			
	85328	Plant Breeding			
	85329	Population & Community Ecology			
	85330	Modern Trends in Angiosperm Taxonomy			
	85331	Physiology & Biochemistry of Marine Plants			
	85332	Molecular Biotechnology & GeneticEngineering			

M.Sc. Botany (C.B.C.S)

Course code-205			M.Sc Part II., :- Sem – III BOTANY	New Revised from Oct 2020 exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CCS-301	80536	Cytogenetic & Crop Improvement	Thursday 05-01-2023	Form 10.30am To 1.30pm
DSE-304	80551	Biotechnology and GeneticEngineering	Saturday 07-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING				
CCS-302	80537	Adv.Plant Physiology & Plant Biochemistry	Monday 09-01-2023	
	80538	Taxonomy of Fungi		
	80539	Cytogenetic		
	80540	Environment & Its Aspects		
	80541	The evolution and Classification of Angiosperm		
	80542	General Marine Botany		
	80543	Plant Tissue Culture		
CHOOSE ANY ONE OF THE FOLLOWING				
CCS-303	80544	Plant Growth & Development	Wednesday 11-01-2023	
	80545	Integrated Disease Management		
	80546	Plant Breeding		
	80547	Population & Community Ecology		
	80548	Modern Trends in Angiosperm Taxonomy		
	80549	Physiology & Biochemistry of Marine Plants		
	80550	Molecular Biotechnology & GeneticEngineering		

M.Sc. Botany (C.B.C.S)

Course code-205		M.Sc Part II., :- Sem – IV BOTANY		New Revised From March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	82888	Plant Physiology and Metabolism	Friday 06-01-2023	Form 2.30pm To 5.30pm
DSE-404	82889	Biodiversity,conservation and utilization	Tuesday 10-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING				
CCS-402	82893	Stress Physiology of Plants	Thursday 12-01-2023	
	82894	Industrial Mycology		
	82895	Molecular Genetics		
	82896	Experimental Ecology and Energy studies		
	82897	Angiosperm Taxonomy Floristics & Biostatistics		
	82898	Marine Ecology		
	82899	Application and Prospects of Plant Tissue culture		
CHOOSE ANY ONE OF THE FOLLOWING				
CCS-403	82900	Applied Plant Physiology	Saturday 14-01-2023	
	82901	Integrated Disease Management		
	82902	Special Approaches in Genetic Improvement ofCrop Plants		
	82903	Environmental issues assessment and Restoration		
	82904	Phylogeny & floral Biology of Angiosperm		
	82905	Application, Regulation and PatentingBiotechnology		
	83011	Applied Marine Botany		

Course code-2341				M.Sc Part II :- Sem.-III Electronics	New Revised From Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-301	85340	Control Theory	Thursday 05-01-2023	From 10.30am To 1.30pm	
CCS-302	85341	Computer Network	Saturday 07-01-2023		
CCS-303	85342	Microcontroller System Design ARM Architecture	Monday 09-01-2023		
CHOOSE ANY ONE OF PAPER FROM DSE-304					
DSE-304	85343	Industrial Automation	Wednesday 11-01-2023		
	85344	Biomedical Instrumentation			
	85345	MATLAB Programming for Numerial Computation			
	85346	Hardware-Software Co-design			
	85347	Satellite Communication			
	85348	Soft Computing			
	85349	VHDL Programming			

Course code-205		M.Sc Part II :- Sem.-III Electronics		New Revised From Oct 2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80507	Control Theory	Thursday 05-01-2023	From 10.30am To 1.30pm
CCS-302	80508	Computer Network	Saturday 07-01-2023	
CCS-303	80509	Microcontroller System Design ARM Architecture	Monday 09-01-2023	
CHOOSE ANY ONE OF PAPER FROM DSE-304				
DSE-304	80510	Industrial Automation	Wednesday 11-01-2023	
	80511	Biomedical Instrumentation		
	80512	MATLAB Programming for Numerial Computation		
	80513	Hardware-Software Co-design		
	80514	Satellite Communication		
	80515	Soft Computing		
	80516	VHDL Programming		

M.sc Part II Sem-IV -ELECTRONICS (C.B.C.S.) New Revised From March 2021				
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	81779	Digital Signal Processing	Friday 06-01-2023	From 2.30pm To 5.30pm
CCS-402	81780	Analog and Digital Circuit Design	Tuesday 10-01-2023	
CCS-403	81781	Real Time Embedded System	Thursday 12-01-2023	
DSE-404	- CHOOSE ANY One OF THE FOLLOWING		Saturday 14-01-2023	
		Advanced Drives		
	81783	Artificial Intelligence & Machine Learning		
	81784	IOT & Data Analytics		
	81785	ARM Programming and Embedded Communication Protocols		
	81786	FPGA Based Systems		
	81787	Antennas		
	81788	Mechnatronics		
	81790	Cellular Mobile communication		

M.Sc Industrial Chemistry (C.B.C.S.)

Course code-2341 M.Sc Part-II Sem III INDUSTRIAL CHEMISTRY (C.B.C.S.)				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IND-3.1	85375	Organic Chemical Industries	Thursday 05-01-2023	From 2.30pm To 5.30pm
IND-3.2	85376	Inorganic Chemical Industries	Saturday 07-01-2023	
IND-3.3	85377	Methods of Analysis in Industries	Monday 09-01-2023	
IND-1TO 3	CHOOSE ANY ONE IND-1TO 3		Wednesday 11-01-2023	
	85379	General Chemical Technology		
	85380	Advanced Analytical Techniques in Industry		
	85374	Chemical Analysis in Agro, Food and Pharmaceutical Industries		

M.Sc Industrial Chemistry (C.B.C.S.)

Course code-205					M.Sc Part-II Sem III INDUSTRIAL CHEMISTRY (C.B.C.S.)					
Paper No		Paper Code		Paper Name			Day and Date		Paper Time	
IND-3.1		80387		Organic Chemical Industries			Thursday 05-01-2023		From 2.30pm To 5.30pm	
IND-3.2		80388		Inorganic Chemical Industries			Saturday 07-01-2023			
IND-3.3		80389		Methods of Analysis in Industries			Monday 09-01-2023			
IND-1TO 3		CHOOSE ANY ONE IND-1TO 3								
		80390		General Chemical Technology			Wednesday 11-01-2023			
		80391		Advanced Analytical Techniques in Industry						
		80392		Chemical Analysis in Agro, Food and Pharmaceutical Industries						

M.Sc Industrial Chemistry (C.B.C.S.)

Course code-205 M.Sc Part-II Sem IV INDUSTRIAL CHEMISTRY(C.B.C.S.)				New Revised from March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	80395	Drug and Pharmaceuticals	Friday 06-01-2023	From 10.30am To 1.30pm
XIV	80396	Inorganic Chemical Industries	Tuesday 10-01-2023	
XV	80397	Selected Topics in Industrial Chemistry	Thursday 12-01-2023	
XVI	CHOOSE ANY One OF THE FOLLOWING		Saturday 14-01-2023	
	80398	Environmental Chemistry		
	80399	Pharmaceutical Chemistry		
	80400	Chemistry of Industrially Important Materials		

M.Sc. Biochemistry

Course code-2341				M.Sc Part-II Sem-III - BIOCHEMISTRY		New Revised From Oct 2022 Exam
Paper No		Paper Code	Paper Name		Day and Date	Paper Time
CC-301		85306	Genetic Engineering		Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302		85307	Biomembrances & Cytoskeleton		Saturday 07-01-2023	
DSE-304		85308	Immunology		Monday 09-01-2023	
Choose Any One Of the Following						
CCS-303- A	85309	Fermentation Technology			Wednesday 11-01-2023	
CCS-303- B	85310	Clinical Biochemistry				
CCS-303- C	85311	Biochemical and Environmental Toxicology				

M.Sc. Biochemistry

M.Sc. Biochemistry				New Revised From Oct 2020 Exam
Course code-205		M.Sc Part-II Sem-III - BIOCHEMISTRY		
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80403	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302	80404	Biomembrances & Cytoskeleton	Saturday 07-01-2023	
DSE-304	80408	Immunology	Monday 09-01-2023	
Choose Any One Of the Following				
CCS-303- A	80405	Fermentation Technology	Wednesday 11-01-2023	
CCS-303- B	80406	Clinical Biochemistry		
CCS-303- C	80407	Biochemical and Environmental Toxicology		

M.Sc. BIOCHEMISTRY [C.B.C.S.]

Course code-205 M.sc Part II Sem- IV- BIOCHEMISTRY (C.B.C.S.)				New Revised From March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	80413	Research Methodology, Entrepreneurship Development & Communication skill	Friday 06-01-2023	From 10.30am To 1.30pm
CCS-402	80414	Neurochemistry and Carcinogenesis	Tuesday 10-01-2023	
CCS-403	80415	Bioinformatics	Thursday 12-01-2023	
Choose Any One of the Following				
DSE-404A	80416	Fermentation Technology – II	Saturday 14-01-2023	
DSE-404B	80417	Clinical Biochemistry – II		
DSE-404C	80418	Biochemical and Environmental Toxicology– II		

M.Sc. BIOTECHNOLOGY

New Revised From Oct 2022exam		M.sc Part-II Sem-III BIOTECHNOLOGY		Course code-2341
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85312	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
DSE-304	85313	Immunology	Monday 09-01-2023	
CC-303	85314	Fermentation Technology-I	Wednesday 11-01-2023	
CCS-302	85315	Advances in Plant Biotechnology	Saturday 07-01-2023	

M.Sc. BIOTECHNOLOGY

M.sc Part-II Sem-III BIOTECHNOLOGY

New Revised From Oct 2020 exam			Course code-205	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80453	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
DSE-304	80456	Immunology	Monday 09-01-2023	
CC-303	80455	Fermentation Technology-I	Wednesday 11-01-2023	
CCS-302	80454	Advances in Plant Biotechnology	Saturday 07-01-2023	

M.Sc. BIOTECHNOLOGY

M.sc Part II Sem- IV- BIOTECHNOLOGY

Course code-205				M.sc Part II Sem- IV- BIOTECHNOLOGY	New Revised From March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC401	82847	Animal Tissue culture	Friday 06-01-2023	From 10.30am To 1.30pm	
CCS403	82842	Bioinformatics	Thursday 12-01-2023		
Choose Any One of the Following					
CCS402 A	82848	Advances in Genomics and Proteomics	Tuesday 10-01-2023		
CCS402B	82849	Microbial Fermentation Technology			
Choose Any One of the Following					
DSE404A	82851	Nanobiotechnology	Saturday 14-01-2023		
DSE404B	82852	Fermentation Technology-II			

M.Sc. ENV. BIOTECHNOLOGY

M.Sc Part-II Sem-III - ENV. BIOTECHNOLOGY

M.Sc Part-II Sem-III - ENV. BIOTECHNOLOGY				
New Revised From Oct 2022 Exam				Course code-2341
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85350	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
DSE-304	85351	Immunology	Monday 09-01-2023	
CCS-302	85332	Basics of Ecology, Ecotoxicology and Ecochemistry	Saturday 07-01-2023	
Choose Any One Of the Following				
CCS-303 -A	85353	Fermentation Technology-I	Wednesday 11-01-2023	
CCS-303-B	85334	Biochemical and environmental Toxicology -I		

M.Sc. ENV. BIOTECHNOLOGY

M.Sc Part-II Sem-III - ENV. BIOTECHNOLOGY

M.Sc Part-II Sem-III - ENV. BIOTECHNOLOGY				
New Revised From Oct 2020 Exam				Course code-205
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80436	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
DSE-304	80440	Immunology	Monday 09-01-2023	
CCS-302	80437	Basics of Ecology, Ecotoxicology and Ecochemistry	Saturday 07-01-2023	
Choose Any One Of the Following				
CCS-303 -A	80438	Fermentation Technology-I	Wednesday 11-01-2023	
CCS-303-B	80439	Biochemical and environmental Toxicology -I		

M.Sc. ENV. BIOTECHNOLOGY [C.B.C.S.]

M.Sc Part-II Sem-IV- ENV. BIOTECHNOLOGY (C.B.C.S.)			Course code-205	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	80444	Environmental Monitoring and Risk Assessment	Friday 06-01-2023	From 10.30am To 1.30pm
CCS-402	80445	Environmental Biotechnology	Tuesday 10-01-2023	
CCS-403	80446	Bioinformatics	Thursday 12-01-2023	
Choose Any One Of the Following				
DSE-404A	80447	Biodiversity, IPR Biosafety& Bioethics	Wednesday 11-01-2023	
DSE-404B	80448	Biochemical and Environmental Toxicology		

M.Sc. Microbiology [C.B.C.S.]

Course code-2341 M.Sc Part-II Sem-III- Microbiology (C.B.C.S.)				New Revised From Oct 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85408	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302	85409	Microbial Diversity and Extremophils	Saturday 07-01-2023	
CCS-303	85407	Fermentation Technology	Wednesday 11-01-2023	
DSE-304	85410	Immunology	Monday 09-01-2023	

M.Sc. Microbiology [C.B.C.S.]

Course code-205 M.Sc Part-II Sem-III- Microbiology (C.B.C.S.)				New Revised From Oct 2020Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80573	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302	80574	Microbial Diversity and Extremophils	Saturday 07-01-2023	
CCS-303	80575	Fermentation Technology	Wednesday 11-01-2023	
DSE-304	80577	Immunology	Monday 09-01-2023	

M.Sc. MICROBIOLOGY (C.B.C.S.)

M.sc part-II Sem-IV MICROBIOLOGY (C.B.C.S.)				New Revised From March2021
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	82840	Food and Dairy Microbiology	Friday 06-01-2023	From 10.30am To 1.30pm
CCS-402	82841	Microbial Fermentation Technology	Tuesday 10-01-2023	
CCS-403	82842	Bioinformatics	Thursday 12-01-2023	
DSE-404	82843	Medical Microbiology	Saturday 14-01-2023	

M.Sc. Pharmaceutical Microbiology [C.B.C.S.]

M.Sc Part-II Sem-III- Pharmaceutical Microbiology (C.B.C.S.) Course code-2341				New Revised From Oct2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85418	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302	85420	Microbial Diversity and Extremophils	Saturday 07-01-2023	
CCS-303	85419	Pharmaceutical Microbiology	Wednesday 11-01-2023	
DSE-304	85421	Immunology	Monday 09-01-2023	

M.Sc Part-II Sem-III- Pharmaceutical Microbiology (C.B.C.S.) Course code-205				New Revised From Oct2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	80422	Genetic Engineering	Thursday 05-01-2023	From 2.30pm To 5.30pm
CCS-302	80423	Microbial Diversity and Extremophils	Saturday 07-01-2023	
CCS-303	80424	Pharmaceutical Microbiology	Wednesday 11-01-2023	
DSE-304	80425	Immunology	Monday 09-01-2023	

M.Sc. Pharmaceutical Microbiology [C.B.C.S.]

M.Sc Part-II Sem-IV- Pharmaceutical Microbiology (C.B.C.S.) Course code-205				New Revised From Marc 2021 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC401	80429	Quality Management and IPR	Friday 06-01-2023	From 10.30am To 1.30pm
CCS402	80430	Fermentation Technology and Process Designing	Tuesday 10-01-2023	
CCS403	80431	Bioinformatics	Thursday 12 -01-2023	
DSE404	80432	Medical Microbiology	Saturday 14-01-2023	

M.Sc. Agro Chemical & Pest Management [C.B.C.S.](New)

New Revised From Oct 2022 Exam Course code-2341		Branch M.Sc Part-II Sem-III - AGRO CHEMICAL & PEST MANAGEMNT (C.B.C.S.)		
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	86363	Pesticide Residues And Toxicology	Thursday 05-01-2023	From 10.30am To 1.30pm
X	86364	Pest of Crop Plants And Their Control-I	Saturday 07-01-2023	
XI	86365	Analysis of Agrochemical	Monday 09-01-2023	
XII	86366	Diseases of Vegetables Fruit tress,Plantation,Forest Ornamental Plants	Wednesday 11-01-2023	

M.Sc. Agro Chemical & Pest Management [C.B.C.S.](New)

New Revised From Oct 2020 Exam Course code-205		Branch M.Sc Part-II Sem-III - AGRO CHEMICAL & PEST MANAGEMNT (C.B.C.S.)		
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80567	Pesticide Residues And Toxicology	Thursday 05-01-2023	From 10.30am To 1.30pm
X	80568	Pest of Crop Plants And Their Control-I	Saturday 07-01-2023	
XI	80569	Analysis of Agrochemical	Monday 09-01-2023	
XII	80570	Diseases of Vegetables Fruit tress,Plantation,Forest Ornamental Plants	Wednesday 11-01-2023	

M.Sc. Agro Chemical & Pest Management [C.B.C.S.](New)

New Revised From March 2021 Exam		M.Sc Part-II Sem-IV - AGRO CHEMICAL & PEST MANAGEMNT (C.B.C.S.)		Course code-205
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81640	Agro-based Marketing Management	Friday 06-01-2023	From 2.30pm To 5.30pm
XIV	81641	Pests Of Crop Plants And Their Control- II	Tuesday 10-01-2023	
XV	81642	Manufacture Of Agrochemicals	Thursday 12-01-2023	
XVI	81643	Agricultural Bio-Technology and Integrated Disease Management	Saturday 14-01-2023	

M.Sc. General MICROBIOLOGY [C.B.C.S.-]

New Revised From Oct 2022 Exam		M.Sc Part-II Sem-III General MICROBIOLOGY -		Course code-2341
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
MIC-301	85363	Biostatistics Bioinformatics & Scientific Writings	Thursday 05-01-2023	From 2.30pm To 5.30pm
MIC-302	85364	Enzymology and Enzyme technology	Saturday 07-01-2023	
MIC-303	85365	Fermentation Technology	Monday 09-01-2023	
MIC-304	85366	Quality Control Microbiology	Wednesday 11-01-2023	

M.Sc. General MICROBIOLOGY [C.B.C.S.-]

New Revised From Oct2020 Exam		M.Sc Part-II Sem-III General MICROBIOLOGY -		Course code-205
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
MIC-301	80530	Biostatistics Bioinformatics & Scientific Writings	Thursday 05-01-2023	From 2.30pm To 5.30pm
MIC-302	80531	Enzymolgy and Enzyme technology	Saturday 07-01-2023	
MIC-303	80532	Fermentation Technology	Monday 09-01-2023	
MIC-304	80533	Quality Control Microbiology	Wednesday 11-01-2023	

M.Sc. General Microbiology [C.B.C.S.]

Course code-205	M.Sc Part-II Sem-IV General MICROBIOLOGY			From March 2021 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
MIC-401	81634	Food and Dairy Microbiology	Friday 06-01-2023	From 10.30am To 1.30pm
MIC-402	81635	Industrial Waste Management	Tuesday 10-01-2023	
MIC-403	81636	Recombinat DNA Technology	Thursday 12-01-2023	
MIC-404	81637	Quality Control Microbiology	Saturday 14-01-2023	

M.Sc. Geology[C.B.C.S.]

Course code-2341 M.Sc. Part-II Sem-III Geology				New Revised From Oct- 2022 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85367	Hydrogeology	Tuesday 10-01-2023	From 10.30am To 1.30pm
CCS-302	85368	Geophysics and Exploration Methods	Thursday 12-01-2023	
CCS-303	85369	Geochemistry	Saturday 14-01-2023	
DSE-304	Choose Any One of the Following			
	85370	Gemology & Industrial Mineralogy	Tuesday 17-01-2023	
	85371	Mining Geology		
	85372	Marine Geology		
	85373	Geoinformatics		

Course code-205				M.Sc. Part-II Sem-III Geology		New Revised From Oct- 2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time		
CC-301	80520	Hydrogeology	Tuesday 10-01-2023	From 10.30am To 1.30pm		
CCS-302	80521	Geophysics and Exploration Methods	Thursday 12-01-2023			
CCS-303	80522	Geochemistry	Saturday 14-01-2023			
DSE-304	Choose Any One of the Following					
	80523	Gemmology & Industrial Mineralogy	Tuesday 17-01-2023			
	80524	Mining Geology				
	80525	Marine Geology				
	80526	Geoinformatics				

M.Sc. Geology[C.B.C.S.]

Course code-205				New Revised From
M.Sc. Part-II Sem-IV Geology				March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81626	Engineering Geology and Geotechniques	Wednesday 11-01-2023	From 2.30pm To 5.30pm
XIV	81627	Natural Resource Management	Friday 13-01-2023	
XV	81628	Environmental Geology	Monday 16-01-2023	

Note:- In Case of any Query found in respective Question Paper ,Student shall communicate the same through Principal/Senior supervisor within 07 days from the date of concerned Question paper to, Deputy Registrar Appointment section Room No.205 Exam Building No.1 Shivaji University,Kolhapur-416004

s/d

**Vidyanagar,
Kolhapur-416004
Date :- 20-12-2022**

**Dr. Ajitsinh N Jadhav
Director
Board of Examinations And Evaluation**

