



SHIVAJI UNIVERSITY, KOLHAPUR.

Circular No 2 2 5 Winter Session Theory Exam

Draft 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),	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	86	Balwant College, Vita Dist-Sangli
20	M.Sc., Analytical Chemistry	436	Shri Yashwantrao Patil Science College 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 of Science 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	Raje Ramrao Mahavidyalya Jath Dist-Sangli
30	M.Sc. Analytical Chemistry, Zoology	50	Yashwantrao Chavan Warna Mahavidyalya 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 Sangli.
33	M.Sc. Analytical, Organic Chemistry	106	Deshbhakat Anandrao Balwantrao Naik Arts & Science College Chikkali Tal-shirala Dist-Sangli
34	M.Sc. Analytical Chemistry	103	Krantisinh Nana Patil Mahavidyalya walva Tal-Walva Dist-Sangli
35	M.sc Organic chemistry	83	Shikshan Maharashtra Dr. Bapuji Salunkhe Mahavidyalya Miraj Dist-Sangli
36	M.Sc General Microbiology	84	Miraj Mahavidyalya Miraj Dist-Sangli
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

Course 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					
	85463	Enzymology	Friday 06-01-2023			
	89057	Laboratory Animals in Biomedical Research				
CHOOSE ANY ONE OF THE FOLLOWING						
CCS-303	85464	Molecular Biology of the Gene	Saturday 07-01-2023			
	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						
CCS-304	85469	Development Biology	Monday 09-01-2023			
	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					
	80555	Enzymology	Friday 06-01-2023			
	89966	Laboratory Animals in Biomedical Research				
CHOOSE ANY ONE OF THE FOLLOWING						
CCS-303	80556	Molecular Biology of the Gene	Saturday 07-01-2023			
	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	Monday 09-01-2023			
	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.)				Course Code-205
New Revised From March 2021				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	81609	Animal Cell Culture	Thursday 05-01-2023	Form 2.30pm To 5.30pm
CHOOSE ANY ONE OF THE FOLLOWING			Friday 06-01-2023	
CBE-402	81610	Toxicology		
	81611	Evolution and Behavior		
CHOOSE ANY ONE OF THE FOLLOWING			Saturday 07-01-2023	
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			Monday 09-01-2023	
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	Friday 06-01-2023	
Choose Any One of the Following			Saturday 07-01-2023	
CE-304	85336	Software Quality Assurance		
	85337	Advanced Data & Science		
	85338	Network Security Analyst		
	85339	Internet Of Things		
SWM301	85333	Artificial Intelligence	Monday 09-01-2023	

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	Friday 06-01-2023	
Choose Any One of the Following			Saturday 07-01-2023	
CE-304	80500	Software Quality Assurance		
	80501	Advanced Data & Science		
	80502	Network Security Analyst		
	80503	Internet Of Things		
SWM301	80497	Artificial Intelligence	Monday 09-01-2023	

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	Form 2.30pm To 5.30pm
X	85423	Electrochemistry	Friday 06-01-2023	
XI	85424	Molecular structure	Saturday 07-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	85425	Solid State Chemistry	Monday 09-01-2023	
	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	Form 2.30pm To 5.30pm
X	80482	Electrochemistry	Friday 06-01-2023	
XI	80483	Molecular structure	Saturday 07-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	80484	Solid State Chemistry	Monday 09-01-2023	
	80485	Advanced Chemical Kinetics		
	80486	Radiation and Photochemistry		

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

M.Sc Part II :- Sem IV PHYSICAL CHEMISTRY (C.B.C.S.)				New Revised From March 2021 Exam
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81571	Thermodynamics and Molecular Modeling	Thursday 05-01-2023	From 10.30am to 1.30pm
XIV	81572	Chemical Kinetics	Friday 06-01-2023	
XV	81573	Molecular Structure – II	Saturday 07-01-2023	
PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XVI	81574	Surface Chemistry	Monday 09-01-2023	
	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.)				New Revised From Oct 2022 Exam
Course code-2341				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85284	Advanced Analytical Techniques	Thursday 05-01-2023	Form 2.30pm To 5.30pm
X	85285	Organo Analytical chemistry	Friday 06-01-2023	
XI	85286	Electro analytical Techniques in chemical Analysis	Saturday 07-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	85288	Environmental chemical Analysis and control	Monday 09-01-2023	
	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.)				New Revised From Oct 2020 Exam
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80489	Advanced Analytical Techniques	Thursday 05-01-2023	Form 2.30pm To 5.30pm
X	80490	Organo Analytical chemistry	Friday 06-01-2023	
XI	80491	Electro analytical Techniques in chemical Analysis	Saturday 07-01-2023	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
PAPER NO. XII	80492	Environmental chemical Analysis and control	Monday 09-01-2023	
	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.)				New Revised From March 2021 Exam
Course code-205				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81580	Modern Separation method in Analysis	Thursday 05-01-2023	From 10.30am to 1.30pm
XIV	81581	Organic Industrial Analysis	Friday 06-01-2023	
XV	81582	Advanced Methods in Chemical Analysis	Saturday 07-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XVI	81583	Applied Analytical Chemistry	Monday 09-01-2023	
	81584	Quality Assurance and Accreditation		
	81585	Techniques in Forensic Science and Microbiological 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	Form 2.30pm To 5.30pm
X	85382	Co-Ordination Chemistry	Friday 06-01-2023	
XI	85383	Nuclear Chemistry	Saturday 07-01-2023	
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XII	85384	Organometallic and Bioinorganic Chemistry	Monday 09-01-2023	
	85385	Selected Topics in Inorganic chemistry		

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 2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	80460	Inorganic Chemical Spectroscopy	Thursday 05-01-2023	Form 2.30pm To 5.30pm
X	80461	Co-Ordination Chemistry	Friday 06-01-2023	
XI	80462	Nuclear Chemistry	Saturday 07-01-2023	
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XII	80463	Organometallic and Bioinorganic Chemistry	Monday 09-01-2023	
	80464	Selected Topics in Inorganic chemistry		

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	Thursday 05-01-2023	Form 10.30am To 1.30pm
XIV	81555	Co-Ordination Chemistry	Friday 06-01-2023	
XV	81556	Chemistry of Inorganic Materials	Saturday 07-01-2023	
CHOOSE ANY ONE OF THE FOLLOWING PAPER				
XVI	81557	Energy and Environmental Chemistry	Monday 09-01-2023	
	81558	Radiation Chemistry		

M.Sc Part II :- Sem III Organic CHEMISTRY (C.B.C.S.)				New Revised from Oct 2022 Exam	
Course code-2341					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX	85415	Organic Reaction Mechanism	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
X	85411	Advanced Spectroscopic Methods	Friday 06-01-2023		
XI	85412	Advanced Synthetic Method	Saturday 07-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII	85416	Drugs and Heterocycles	Monday 09-01-2023		
	85417	Polymer chemistry			

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

M.Sc Part II :- Sem III Organic CHEMISTRY (C.B.C.S.)				New Revised from Oct2020 Exam	
Course code-205					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX	80474	Organic Reaction Mechanism	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
X	80475	Advanced Spectroscopic Methods	Friday 06-01-2023		
XI	80476	Advanced Synthetic Method	Saturday 07-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII	80477	Drugs and Heterocycles	Monday 09-01-2023		
	80478	Polymer chemistry			

M.Sc Part II :- Sem IV Organic 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	81564	Theoretical Organic Chemistry	Thursday 05-01-2023	Form 10.30am To 1.30pm	
XIV	81565	Stereochemistry	Friday 06-01-2023		
XV	81566	Chemistry of Natural Products	Saturday 07-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XVI	81567	Applied Organic Chemistry	Monday 09-01-2023		
	81568	Bio-organic Chemistry			

M.Sc Part II :- Sem III Applied CHEMISTRY (C.B.C.S.)				New Revised From Oct 2022 Exam	
Course code-2341					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX	85290	Applied Inorganic Chemistry-I	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
X	85291	Applied Organic chemistry-I	Friday 06-01-2023		
XI	85292	Applied Physical Chemistry-I	Saturday 07-01-2023		
Paper No XII CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII	85293	Advanced Organic chemistry-I	Monday 09-01-2023		
	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	Form 2.30pm To 5.30pm	
X	80369	Applied Organic chemistry-I	Friday 06-01-2023		
XI	80370	Applied Physical Chemistry-I	Saturday 07-01-2023		
Paper No XII CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII	80371	Advanced Organic chemistry-I	Monday 09-01-2023		
	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	Thursday 05-01-2023	Form 10.30am To 1.30pm	
XIV	80378	Applied Organic Chemistry-II	Friday 06-01-2023		
XV	80379	Advance Organic Chemistry-II	Saturday 07-01-2023		
Paper No CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XVI	80380	Inorganic Chemical Industries	Monday 09-01-2023		
	80381	Pollution Monitoring Control			
	80382	Applied Analytical Chemistry-II			

M.Sc Part II., :- Sem – III BOTANY				New Revised from Oct 2022 exam	
Course code-2341					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CCS-301	85317	Cytogenetic & Crop Improvement	Thursday 05-01-2023	Form 10.30am To 1.30pm	
DSE-304	85318	Biotechnology and Genetic Engineering	Friday 06-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-302	85319	Adv.Plant Physiology & Plant Biochemistry	Saturday 07-01-2023		
	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	Monday 09-01-2023		
	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 & Genetic Engineering			

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 Genetic Engineering	Friday 06-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-302	80537	Adv.Plant Physiology & Plant Biochemistry	Saturday 07-01-2023		
	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	Monday 09-01-2023		
	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 & Genetic Engineering			

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	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
DSE-404	82889	Biodiversity, conservation and utilization	Friday 06-01-2023		
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-402	82893	Stress Physiology of Plants	Saturday 07-01-2023		
	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	Monday 09-01-2023		
	82901	Integrated Disease Management			
	82902	Special Approaches in Genetic Improvement of Crop Plants			
	82903	Environmental issues assessment and Restoration			
	82904	Phylogeny & floral Biology of Angiosperm			
	82905	Application, Regulation and Patenting Biotechnology			
	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	Form 10.30am To 1.30pm	
CCS-302	85341	Computer Network	Friday 06-01-2023		
CCS-303	85342	Microcontroller System Design ARM Architecture	Saturday 07-01-2023		
CHOOSE ANY ONE OF PAPER FROM DSE-304					
DSE-304	85343	Industrial Automation	Monday 09-01-2023		
	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	Form 10.30am To 1.30pm	
CCS-302	80508	Computer Network	Friday 06-01-2023		
CCS-303	80509	Microcontroller System Design ARM Architecture	Saturday 07-01-2023		
CHOOSE ANY ONE OF PAPER FROM DSE-304					
DSE-304	80510	Industrial Automation	Monday 09-01-2023		
	80511	Biomedical Instrumentation			
	80512	MATLAB Programming for Numerial Computation			
	80513	Hardware-Software Co-design			
	80514	Satellite Communication			
	80515	Soft Computing			
	80516	VHDL Programming			

Course code-205					M.sc Part II Sem-IV -ELECTRONICS (C.B.C.S.) New Revised From March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-401	81779	Digital Signal Processing	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
CCS-402	81780	Analog and Digital Circuit Design	Friday 06-01-2023		
CCS-403	81781	Real Time Embedded System	Saturday 07-01-2023		
- CHOOSE ANY One OF THE FOLLOWING					
DSE-404		Advanced Drives	Monday 09-01-2023		
	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	Form 2.30pm To 5.30pm
IND-3.2	85376	Inorganic Chemical Industries	Friday 06-01-2023	
IND-3.3	85377	Methods of Analysis in Industries	Saturday 07-01-2023	
IND-1TO 3	CHOOSE ANY ONE IND-1TO 3			
	85379	General Chemical Technology	Monday 09-01-2023	
	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	Form 2.30pm To 5.30pm
IND-3.2	80388	Inorganic Chemical Industries	Friday 06-01-2023	
IND-3.3	80389	Methods of Analysis in Industries	Saturday 07-01-2023	
IND-1TO 3	CHOOSE ANY ONE IND-1TO 3			
	80390	General Chemical Technology	Monday 09-01-2023	
	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	Thursday 05-01-2023	Form 10.30am To 1.30pm
XIV	80396	Inorganic Chemical Industries	Friday 06-01-2023	
XV	80397	Selected Topics in Industrial Chemistry	Saturday 07-01-2023	
XVI	CHOOSE ANY One OF THE FOLLOWING			
	80398	Environmental Chemistry	Monday 09-01-2023	
	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	Form 2.30pm To 5.30pm	
CCS-302	85307	Biomembrances & Cytoskeleton	Friday 06-01-2023		
DSE-304	85308	Immunology	Saturday 07-01-2023		
Choose Any One Of the Following					
CCS-303- A	85309	Fermentation Technology	Monday 09-01-2023		
CCS-303- B	85310	Clinical Biochemistry			
CCS-303- C	85311	Biochemical and Environmental Toxicology			

M.Sc. Biochemistry

Course code-205			M.Sc Part-II Sem-III - BIOCHEMISTRY		New Revised From Oct 2020 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-301	80403	Genetic Engineering	Thursday 05-01-2023	Form 2.30pm To 5.30pm	
CCS-302	80404	Biomembrances & Cytoskeleton	Friday 06-01-2023		
DSE-304	80408	Immunology	Saturday 07-01-2023		
Choose Any One Of the Following					
CCS-303- A	80405	Fermentation Technology	Monday 09-01-2023		
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	Thursday 05-01-2023	Form 10.30am To 1.30pm	
CCS-402	80414	Neurochemistry and Carcinogenesis	Friday 06-01-2023		
CCS-403	80415	Bioinformatics	Saturday 07-01-2023		
Choose Any One of the Following					
DSE-404A	80416	Fermentation Technology – II	Monday 09-01-2023		
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	Form 2.30pm To 5.30pm	
DSE-304	85313	Immunology	Saturday 07-01-2023		
CC-303	85314	Fermentation Technology-I	Monday 09-01-2023		
CCS-302	85315	Advances in Plant Biotechnology	Friday 06-01-2023		

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	Form 2.30pm To 5.30pm
DSE-304	80456	Immunology	Saturday 07-01-2023	
CC-303	80455	Fermentation Technology-I	Monday 09-01-2023	
CCS-302	80454	Advances in Plant Biotechnology	Friday 06-01-2023	

M.Sc. BIOTECHNOLOGY

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	Thursday 05-01-2023	Form 10.30am To 1.30pm	
CCS403	82842	Bioinformatics	Saturday 07-01-2023		
Choose Any One of the Following					
CCS402 A	82848	Advances in Genomics and Proteomics	Friday 06-01-2023		
CCS402B	82849	Microbial Fermentation Technology			
Choose Any One of the Following					
DSE404A	82851	Nanobiotechnology	Monday 09-01-2023		
DSE404B	82852	Fermentation Technology-II			

M.Sc. 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	Form 2.30pm To 5.30pm	
DSE-304	85351	Immunology	Saturday 07-01-2023		
CCS-302	85332	Basics of Ecology, Ecotoxicology and Ecochemistry	Friday 06-01-2023		
Choose Any One Of the Following					
CCS-303 -A	85353	Fermentation Technology-I	Monday 09-01-2023		
CCS-303-B	85334	Biochemical and environmental Toxicology -I			

M.Sc. 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	Form 2.30pm To 5.30pm
DSE-304	80440	Immunology	Saturday 07-01-2023	
CCS-302	80437	Basics of Ecology, Ecotoxicology and Ecochemistry	Friday 06-01-2023	
Choose Any One Of the Following				
CCS-303 -A	80438	Fermentation Technology-I	Monday 09-01-2023	
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	Thursday 05-01-2023	Form 10.30am To 1.30pm
CCS-402	80445	Environmental Biotechnology	Friday 06-01-2023	
CCS-403	80446	Bioinformatics	Saturday 07-01-2023	
Choose Any One Of the Following				
DSE-404A	80447	Biodiversity, IPR Biosafety& Bioethics	Monday 09-01-2023	
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	Form 2.30pm To 5.30pm
CCS-302	85409	Microbial Diversity and Extremophils	Friday 06-01-2023	
CCS-303	85407	Fermentation Technology	Monday 09-01-2023	
DSE-304	85410	Immunology	Saturday 07-01-2023	

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	Form 2.30pm To 5.30pm
CCS-302	80574	Microbial Diversity and Extremophils	Friday 06-01-2023	
CCS-303	80575	Fermentation Technology	Monday 09-01-2023	
DSE-304	80577	Immunology	Saturday 07-01-2023	

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	Thursday 05-01-2023	Form 10.30am To 1.30pm
CCS-402	82841	Microbial Fermentation Technology	Friday 06-01-2023	
CCS-403	82842	Bioinformatics	Saturday 07-01-2023	
DSE-404	82843	Medical Microbiology	Monday 09-01-2023	

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

M.Sc Part-II Sem-III- Pharmaceutical Microbiology (C.B.C.S.)				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	Form 2.30pm To 5.30pm
CCS-302	85420	Microbial Diversity and Extremophils	Friday 06-01-2023	
CCS-303	85419	Pharmaceutical Microbiology	Monday 09-01-2023	
DSE-304	85421	Immunology	Saturday 07-01-2023	

M.Sc Part-II Sem-III- Pharmaceutical Microbiology (C.B.C.S.)				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	Form 2.30pm To 5.30pm
CCS-302	80423	Microbial Diversity and Extremophils	Friday 06-01-2023	
CCS-303	80424	Pharmaceutical Microbiology	Monday 09-01-2023	
DSE-304	80425	Immunology	Saturday 07-01-2023	

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

M.Sc Part-II Sem-IV- Pharmaceutical Microbiology (C.B.C.S.)				New Revised From Marc 2021 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC401	80429	Quality Management and IPR	Thursday 05-01-2023	Form 10.30am To 1.30pm
CCS402	80430	Fermentation Technology and Process Designing	Friday 06-01-2023	
CCS403	80431	Bioinformatics	Saturday 07-01-2023	
DSE404	80432	Medical Microbiology	Monday 09-01-2023	

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 - AGROCHEMICAL & 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	Form 10.30pm To 1.30pm
X	86364	Pest of Crop Plants And Their Control-I	Friday 06-01-2023	
XI	86365	Analysis of Agrochemical	Saturday 07-01-2023	
XII	86366	Diseases of Vegetables Fruit tress,Plantation,Forest Ornamental Plants	Monday 09-01-2023	

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

New Revised From Oct 2020 Exam		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	Form 10.30pm To 1.30pm
X	80568	Pest of Crop Plants And Their Control-I	Friday 06-01-2023	
XI	80569	Analysis of Agrochemical	Saturday 07-01-2023	
XII	80570	Diseases of Vegetables Fruit tress,Plantation,Forest Ornamental Plants	Monday 09-01-2023	

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	Thursday 05-01-2023	Form 2.30am To 5.30pm
XIV	81641	Pests Of Crop Plants And Their Control- II	Friday 06-01-2023	
XV	81642	Manufacture Of Agrochemicals	Saturday 07-01-2023	
XVI	81643	Agricultural Bio-Technology and Integrated Disease Management	Monday 09-01-2023	

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	Form 2.30pm To 5.30pm
MIC-302	85364	Enzymology and Enzyme technology	Friday 06-01-2023	
MIC-303	85365	Fermentation Technology	Saturday 07-01-2023	
MIC-304	85366	Quality Control Microbiology	Monday 09-01-2023	

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	Form 2.30pm To 5.30pm
MIC-302	80531	Enzymolgy and Enzyme technology	Friday 06-01-2023	
MIC-303	80532	Fermentation Technology	Saturday 07-01-2023	
MIC-304	80533	Quality Control Microbiology	Monday 09-01-2023	

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	Thursday 05-01-2023	Form 10.30am To 1.30pm
MIC-402	81635	Industrial Waste Management	Friday 06-01-2023	
MIC-403	81636	Recombinat DNA Technology	Saturday 07-01-2023	
MIC-404	81637	Quality Control Microbiology	Monday 09-01-2023	

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	Form 10.30am To 1.30pm
CCS-302	85368	Geophysics and Exploration Methods	Wednesday 11-01-2023	
CCS-303	85369	Geochemistry	Thursday 12-01-2023	
DSE-304	Choose Any One of the Following			
	85370	Gemology & Industrial Mineralogy	Friday 13-01-2023	
	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	Form 10.30am To 1.30pm
CCS-302	80521	Geophysics and Exploration Methods	Wednesday 11-01-2023	
CCS-303	80522	Geochemistry	Thursday 12-01-2023	
DSE-304	Choose Any One of the Following			
	80523	Gemmology & Industrial Mineralogy	Friday 13-01-2023	
	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				March2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81626	Engineering Geology and Geotechniques	Tuesday 10-01-2023	Form 2.30pm To 5.30pm
XIV	81627	Natural Resource Management	Wednesday 11-01-2023	
XV	81628	Environmental Geology	Thursday 12-01-2023	

Note:- In Case of any Query found in respective Question Paper ,Student shall communicate thesame 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

**Vidyanagar,
Kolhapur-416004
Date :- 13-12-2022**

s/d
Dr. Ajitsinh N Jadhav
Director
Board of Examinations And Evaluation

