



## SHIVAJI UNIVERSITY, KOLHAPUR.

Circular No 529 Winter Session Theory Exam

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

(Course Code 205, 2341, 2353) 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 2023 to be held in Oct- 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](http://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. <b>Campus. KOLHAPUR</b>
2	M. Sc. Analytical Chemistry	31	Rajaram College, <b>Kolhapur</b>
3	M.Sc. Geology	260	Gopal Krishna Gokhale College, <b>Kolhapur</b> Dist-Kolhapur
4	M.Sc Organic Chemistry	01	Vivekanand College, <b>Kolhapur</b> Dist-Kolhapur
5	M.Sc. Physical Chemistry	32	Rajarshri Chh. Shahu College <b>Kadamwadi Kolhapur</b> Dist-Kolhapur
6	M.Sc Botany, Analytical Chemistry, Comp Sci	30	The New college <b>Kolhapur</b>
7	M.Sc. Agrochemical & Pest Management, Organic Chemistry General Microbiology	48	Devachand College, <b>Arjunnagar</b> , Dist - Kolhapur
8	M.Sc Analytical Chemistry	43	Jaysigpur College, JAYSINGPUR, Dist-Kolhapur
9	M. Sc. Botany, Organic Chemistry	38	Dattajrao Kadam Arts, Science & Comers <b>Ichalkaranji</b> Dist -Kolhapur
10	M. Sc. Computer Science, M.Sc Organic Chemistry	03	Shivraj College of Arts, Commerce & D. S. Kadam Science college <b>Gadhinglaj</b> Dist.Kolhapur.
11	M.Sc General Microbiology, Analytical Chemistry	47	Dr.Ghali college Gadhinglaj Dist-Kolhapur
12	M.Sc. Computer Science, . M.Sc.Physical, Analytical Chemistry	90	Karmveer Bhaurao Patil College, Urun –Islampur. Dist- Sangli
13	M.Sc. Computer Science, , Organic	88	Smt Kusumtai Rajarambapupatil kanya Mahavidyalya <b>Urun-Islampur</b> . Dist-Sangli
14	M.Sc. Computer Science, Zoology, Organic Chem	104	Arts, Commerce & Science College, <b>Palus</b> Dist-sangli
15	M.Sc Organic Chemistry , Botany, Zoology	92	Padm Bhushan DR. Vasantrao dada patil Mahavidyalya, <b>Tasgaon</b> 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 <b>Sangli</b> , Dist -Sangli
18	M.SC Organic Chemistry, Electronics, Comp Sci	80	Willingdon College <b>Sangli</b> , Dist-Sangli

Sr.No	Exam	College /Dept Code	Places/Exam Centre
19	M.Sc. Inorganic, Organic, Analytical chemistry,Zoology,General Microbiology	86	Balwant College, <b>Vita</b> Dist-Sangli
20	M.Sc., Analytical Chemistry	436	Shri Yashwantrao Patil ScienceCollege <b>Solankur</b> , Tal- Radhanagri,Dist-Kolhapur
21	M. Sc. Botany	101	Matoshri Bayyabai Shripathrao Kadam Kanya Mahavidyalya, <b>Kadegaon</b> Dist Sangli
22	M.Sc Botany, Organic Chemistry, Zoology,Electronics	149	Yashwantrao Chavan Institute of Science <b>Satara</b> , Dist-Satara
23	M.Sc. Analytical Chemistry, Zoology,Organic Chemistry	145	Lal Bahadur Shastri college <b>Satara</b>
24	M.Sc. Organic Chemistry	164	Dahiwadi College, <b>Dahiwadi</b> Dist-Satara
25	M.Sc.,Analytical Chemistry, Microbiology (CBCS-R),General Microbiology,Botany,Comp Sci,Organic Chemi	158	Yashwantrao Chavan college ofScience College, <b>Karad</b> Dist-Satara
26	M.Sc.Zoology ,Computer Sci., Organic Chemistry.	156	Sadguru Gadge Maharaj College <b>Karad</b> Dist-Satara
27	M.Sc., Analytical Chemistry	159	Balasaheb Desai College, <b>Patan</b> Dist-Satara
28	M.Sc., Organic Chemistry,	161	Kissan Veer Mahavidyalaya, <b>Wai</b> . Dist-Satara
29	M.Sc. Analytical Chemistry	94	RajeRamrao Mahavidyalya <b>Jath</b> DistSangli
30	M.Sc. Analytical Chemistry,Zoology	50	Yashwantrao Chavan WarnaMahavidylaya <b>Warananagar</b> Dist-Kolhapur
31	M.Sc. Analytical Chemistry	162	D.P.Bhosale College <b>Koregaon</b> Dist Satara.
32	M.Sc. Analytical Chemistry	93	Dr.Patangrao Kadam Mahavidyalya <b>Ramanadnagar(Burli)</b> Kirloskarwadi Tal.Palus Dist Sangali.
33	M.Sc. Analytical,,Organic Chemistry	106	Deshbhakat Anandrao BalwantraoNaik Arts & Science College <b>Chikkali</b> Tal-shirala Dist-Sangli
34	M.Sc. Analytical Chemistry	103	Krantisinh Nana Patil Mahavidyalya <b>walva</b> TalWalva Dist-Sangli
35	M.sc Organic chemistry	83	Shikshan Maharashi Dr.Bapuji Salunkhe Mahavidyalya <b>Miraj</b> DistSangli
36	M.Sc General Microbiology	84	Miraj Mahavidyalya <b>Miraj</b> DistSangli
37	M.Sc Organic Chemistry	51	Bhogawati Mahavidyalya <b>Kurukali</b> Tal-Karveer Dist-Kolhapur
38	M.Sc. Analytical Chemistry	67	M.H.Shinde Mahavidyalya <b>Tisangi</b> Tal-Gaganbawada Dist-Kolhapur
39	M.Sc. Analytical Chemistry, Organic	429	Padmashree Dr.G.G Jadhav Mahavidyalya <b>Ganganbawada</b> Dist-Kolhapur
40	M.Sc Organic Chemistry	151	Mudhoji College <b>Phaltan</b> Dist-Satara
41	M.Sc Organic Chemistry	70	R.B. Madkolkar Mahavidylya <b>Chandgad</b> Dist-Kolhapur
42	M.Sc Organic Chemistry	57	Yashwantrao Chavan Mahavidylya Halkarni Dist-Kolhapur
43	M.Sc Organic Chemistry	616	Shri R..K.Patil Arts,Commerce and Science college Sankh Tal-Jat Dist-Sangli -416412

Course Code 2353	Branch –M.Sc Part II-Sem-III ZOOLOGY ( C.B.C.S.)			New Revised From Oct. 2023	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-301	91044	Genetics	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
CCO-302	CHOOSE ANY ONE OF THE FOLLOWING				
	91045	Enzymology	Friday 01/12/2023		
	91046	Laboratory Animals in Biomedical Research			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-303	91047	Molecular Biology of the Gene	Monday 04/12/2023		
	91049	Animal Physiology			
	91051	Basic Entomology			
	91053	Fisheries Resources Inland and Marine fisheries			
	91055	General Sericulture and management of Mulberry			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-304	91048	Development Biology	Wednesday 06/12/2023		
	91050	Applied Physiology			
	91052	Agricultural Entomology			
	91054	Fish Pathology & Reproductive Endocrinology			
	91056	Silkworm Biology and Rearing Technology			

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	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
CBE-302	CHOOSE ANY ONE OF THE FOLLOWING				
	85463	Enzymology	Friday 01/12/2023		
	89057	Laboratory Animals in Biomedical Research			
CHOOSE ANY ONE OF THE FOLLOWING					
CCS-303	85464	Molecular Biology of the Gene	Monday 04/12/2023		
	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	Wednesday 06/12/2023		
	85470	Applied Physiology			
	85471	Agricultural Entomology			
	85472	Fish Pathology & Reproductive Endocrinology			
	85473	Silkworm Biology and Rearing Technology			

Course Code-2341	Branch –M.Sc Part II-Sem-IV ZOOLOGY( C.B.C.S.)			New Revised From March 2023
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	86787	Animal Cell Culture	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
CBE-402	<b>CHOOSE ANY ONE OF THE FOLLOWING</b>			
	86800	Toxicology	Friday 01/12/2023	
	86801	Evolution and Behavior		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>				
CCS-403	86793	Immunology	Monday 04/12/2023	
	86790	Physiology of Health		
	86791	Insect Anatomy and Physiology		
	86792	Aquaculture practices		
	86794	Breeding of silkworm,mulberry& cytogenetics		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>				
CCS-404	86795	Cell Pathology	Wednesday 06/12/2023	
	86796	Clinical Physiology		
	86797	Pest Management Concepts		
	86798	Fishery Technology		
	86799	Silkworm Seed, Silk Production Technology and Economics		

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	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>			Friday 01/12/2023	
CBE-402	81610	Toxicology		
	81611	Evolution and Behavior		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>				
CCS-403	81612	Immunology	Monday 04/12/2023	
	81614	Physiology of Health		
	81616	Insect Anatomy and Physiology		
	81618	Aquaculture practices		
	83076	Breeding of silkworm,mulberry& cytogenetics		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>				
CCS-404	81613	Cell Pathology	Wednesday 06/12/2023	
	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 2023
Course code-2353				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-302	91869	Advanced Web Technology	Tuesday 21/11/2023	From 10.30 am To 1.30 pm
CC-303	91870	PHP	Thursday 23/11/2023	
<b>Choose Any One of the Following</b>				
CCS-304	91871	Software Quality Assurance	Saturday 25/11/2023	
	91872	Advanced Data & Science		
	91873	Network Security Analyst		
	91874	Internet Of Things		
CC-301	91868	Artificial Intelligence	Wednesday 29/11/2023	

**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 2022
Course code-2341				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-302	85334	Advanced Web Technology	Tuesday 21/11/2023	From 10.30 am To 1.30 pm
CC-303	85335	PHP	Thursday 23/11/2023	
<b>Choose Any One of the Following</b>				
CE-304	85336	Software Quality Assurance	Saturday 25/11/2023	
	85337	Advanced Data & Science		
	85338	Network Security Analyst		
	85339	Internet Of Things		
SWM301	85333	Artificial Intelligence	Wednesday 29/11/2023	

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

M.Sc Part II :- Sem III PHYSICAL CHEMISTRY ( C.B.C.S.)				New Revised From Oct-2023 Exam
Course code-2353				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX, PHP 3.1	92053	Advanced Quantum Chemistry	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X, PHP 3.2	92054	Electrochemistry	Friday 01/12/2023	
XI,PCH 3.3	92055	Molecular structure	Monday 04/12/2023	
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XII, PCH.3.4 (A)	92056	Solid State Chemistry	Wednesday 06/12/2023	
XII, PCH.3.4 (B)	92057	Advanced Chemical Kinetics		
XII, PCH.3.4 (C)	92058	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-2341				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85422	Advanced Quantum Chemistry	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X	85423	Electrochemistry	Friday 01/12/2023	
XI	85424	Molecular structure	Monday 04/12/2023	
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XII	85425	Solid State Chemistry	Wednesday 06/12/2023	
	85426	Advanced Chemical Kinetics		
	85427	Radiation and Photochemistry		

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

<b>Course code-2341 M.Sc Part II :- Sem IV PHYSICAL CHEMISTRY (C.B.C.S.)</b>				<b>New Revised From March 2023 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86779	Thermodynamics and Molecular Modeling	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	86780	Chemical Kinetics	Friday 01/12/2023	
XV	86781	Molecular Structure – II	Monday 04/12/2023	
<b>PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
<b>PAPER NO.XVI</b>	86784	Surface Chemistry	Wednesday 06/12/2023	
	86785	Chemistry of Materials		
	86786	Biophysical chemistry		

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

<b>Course code-205 M.Sc Part II :- Sem IV PHYSICAL CHEMISTRY (C.B.C.S.)</b>				<b>New Revised From March 2021 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81571	Thermodynamics and Molecular Modeling	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	81572	Chemical Kinetics	Friday 01/12/2023	
XV	81573	Molecular Structure – II	Monday 04/12/2023	
<b>PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
<b>PAPER NO.XVI</b>	81574	Surface Chemistry	Wednesday 06/12/2023	
	81575	Chemistry of Materials		
	81576	Biophysical chemistry		

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

<b>M.Sc Part II :- Sem III Analytical CHEMISTRY (C.B.C.S.) Course code-2353</b>				<b>New Revised From Oct 2022 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX, ACH- 3.1	92059	Advanced Analytical Techniques	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X, ACH- 3.2	92060	Organo Analytical chemistry	Friday 01/12/2023	
XI, ACH - 3.3	92061	Electro analytical Techniques in chemical Analysis	Monday 04/12/2023	
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XII, ACH-3.4 (A)	92062	Environmental chemical Analysis and control	Wednesday 06/12/2023	
XII, ACH-3.4 (B)	92063	Recent advances in Analytical Chemistry		
XII, ACH-3.4 (C)	92064	Chemical Analysis in Agro Food And Pharmaceutical Industries		

<b>M.Sc Part II :- Sem III Analytical CHEMISTRY (C.B.C.S.)</b>				<b>New Revised From Oct 2022 Exam</b>
<b>Course code-2341</b>				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	85284	Advanced Analytical Techniques	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X	85285	Organo Analytical chemistry	Friday 01/12/2023	
XI	85286	Electro analytical Techniques in chemical Analysis	Monday 04/12/2023	
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
<b>PAPER NO. XII</b>	85288	Environmental chemical Analysis and control	Wednesday 06/12/2023	
	85289	Recent advances in Analytical Chemistry		
	85287	Chemical Analysis in Agro Food And Pharmaceutical Industries		

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

<b>M.Sc Part II :- Sem IV Analytical CHEMISTRY (C.B.C.S.)</b>				<b>New Revised From March 2023 Exam</b>
<b>Course code-2353</b>				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86571	Modern Separation method in Analysis	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	86572	Organic Industrial Analysis	Friday 01/12/2023	
XV	86573	Advanced Methods in Chemical Analysis	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XVI	86577	Applied Analytical Chemistry	Wednesday 06/12/2023	
	86578	Quality Assurance and Accreditation		
	86576	Techniques in Forensic Science and Microbiological Analysis		

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

<b>M.Sc Part II :- Sem IV Analytical CHEMISTRY (C.B.C.S.)</b>				<b>New Revised From March 2021 Exam</b>
<b>Course code-205</b>				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81580	Modern Separation method in Analysis	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	81581	Organic Industrial Analysis	Friday 01/12/2023	
XV	81582	Advanced Methods in Chemical Analysis	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XVI	81583	Applied Analytical Chemistry	Wednesday 06/12/2023	
	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.)				New Revised From Oct 2023 Exam	
Course code-2353					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX, CC -3 01	92048	Inorganic Chemical Spectroscopy	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
X, CCS - 302	92049	Co-Ordination Chemistry	Friday 01/12/2023		
XI, CCS - 303	92050	Nuclear Chemistry	Monday 04/12/2023		
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII, ICH 3.4 (A)	92051	Organometallic and Bioinorganic Chemistry	Wednesday 06/12/2023		
XII, ICH 3.4 (B)	92052	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.)				New Revised From Oct 2022 Exam	
Course code-2341					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX	85381	Inorganic Chemical Spectroscopy	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
X	85382	Co-Ordination Chemistry	Friday 01/12/2023		
XI	85383	Nuclear Chemistry	Monday 04/12/2023		
PAPER NO:-XII CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XII	85384	Organometallic and Bioinorganic Chemistry	Wednesday 06/12/2023		
	85385	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-2353				New Revised From March 2023 Exam	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
XIII	86704	Instrumental Techniques	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
XIV	86705	Co-Ordination Chemistry	Friday 01/12/2023		
XV	86706	Chemistry of Inorganic Materials	Monday 04/12/2023		
CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XVI	86709	Energy and Environmental Chemistry	Wednesday 06/12/2023		
	86710	Radiation 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	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
XIV	81555	Co-Ordination Chemistry	Friday 01/12/2023		
XV	81556	Chemistry of Inorganic Materials	Monday 04/12/2023		
CHOOSE ANY ONE OF THE FOLLOWING PAPER					
XVI	81557	Energy and Environmental Chemistry	Wednesday 06/12/2023		
	81558	Radiation Chemistry			



M.Sc Part II :- Sem III Organic CHEMISTRY (C.B.C.S.) Course code-2353				New Revised from Oct-2023 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX, OCH 3.1	92065	Organic Reaction Mechanism	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X, OCH 3.2	92066	Advanced Spectroscopic Methods	Friday 01/12/2023	
XI, OCH 3.3	92067	Advanced Synthetic Method	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XII, OCH 3.4(A)	92068	Drugs and Heterocycles	Wednesday 06/12/2023	
XII, OCH 3.4 (B)	92069	Polymer 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	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
X	85411	Advanced Spectroscopic Methods	Friday 01/12/2023	
XI	85412	Advanced Synthetic Method	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XII	85416	Drugs and Heterocycles	Wednesday 06/12/2023	
	85417	Polymer chemistry		

Course code-2341	M.Sc Part II :- Sem IV Organic CHEMISTRY (C.B.C.S.)			New Revised From March 2023
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86729	Theoretical Organic Chemistry	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	86730	Stereochemistry	Friday 01/12/2023	
XV	86731	Chemistry of Natural Products	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XVI	86734	Applied Organic Chemistry	Wednesday 06/12/2023	
	86735	Bio-organic 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	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	81565	Stereochemistry	Friday 01/12/2023	
XV	81566	Chemistry of Natural Products	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
XVI	81567	Applied Organic Chemistry	Wednesday 06/12/2023	
	81568	Bio-organic Chemistry		

M.Sc Part II :- Sem III Applied CHEMISTRY (C.B.C.S.)				New Revised From Oct 2023 Exam	
<b>Course code-2353</b>					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX, APCH- 3.1	92042	Applied Inorganic Chemistry-I	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
X, APCH – 3.2	92043	Applied Organic chemistry-I	Friday 01/12/2023		
XI, APCH – 3.3	92044	Applied Physical Chemistry-I	Monday 04/12/2023		
Paper No XII <b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>					
XII, APCH –3.4 (A)	92045	Advanced Organic chemistry-I	Wednesday 06/12/2023		
XII, APCH –3.4 (B)	92046	Applied Analytical Chemistry-I			
XII, APCH –3.4 (C)	92047	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 2022 Exam	
<b>Course code-2341</b>					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
IX	85290	Applied Inorganic Chemistry-I	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
X	85291	Applied Organic chemistry-I	Friday 01/12/2023		
XI	85292	Applied Physical Chemistry-I	Monday 04/12/2023		
Paper No XII <b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>					
XII	85293	Advanced Organic chemistry-I	Wednesday 06/12/2023		
	85294	Applied Analytical Chemistry-I			
	85295	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 2023	
<b>Course code-2341</b>					
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
XIII	86579	Applied Inorganic Chemistry -II	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
XIV	86580	Applied Organic Chemistry-II	Friday 01/12/2023		
XV	86581	Advance Organic Chemistry-II	Monday 04/12/2023		
Paper No <b>CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>					
XVI	86584	Inorganic Chemical Industries	Wednesday 06/12/2023		
	86585	Pollution Monitoring Control			
	86586	Applied Analytical Chemistry-II			

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

<b>Course code-205</b>				<b>M.Sc Part II :- Sem IV Applied CHEMISTRY (C.B.C.S)</b>	<b>New Revised From March 2021</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>	
XIII	80377	Applied Inorganic Chemistry -II	Wednesday 29/11/2023	<b>From 10.30 am To 1.30 pm</b>	
XIV	80378	Applied Organic Chemistry-II	Friday 01/12/2023		
XV	80379	Advance Organic Chemistry-II	Monday 04/12/2023		
<b>Paper No CHOOSE <u>ANY ONE</u> OF THE FOLLOWING PAPER</b>					
XVI	80380	Inorganic Chemical Industries	Wednesday 06/12/2023		
	80381	Pollution Monitoring Control			
	80382	Applied Analytical Chemistry-II			

<b>Course code-2353</b>				<b>M.Sc Part II., :- Sem – III BOTANY</b>	<b>New Revised from Oct 2023 exam</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>	
IX, CC- 301	91024	Cytogenetic & Crop Improvement	Wednesday 29/11/2023	<b>From 10.30 am To 1.30 pm</b>	
XI, CC- 304/ CCO- 304	91025	Biotechnology and Genetic Engineering	Friday 01/12/2023		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
X, CCS - 302	91026	Adv.Plant Physiology & Plant Biochemistry	Tuesday 05/12/2023		
	91027	Taxonomy of Fungi			
	91028	Cytogenetic			
	91029	Environment & Its Aspects			
	91030	The evolution and Classification of Angiosperm			
	91031	General Marine Botany			
91032	Plant Tissue Culture				
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
XI, CC - 303	91033	Plant Growth & Development	Thursday 07/12/2023		
	91034	Integrated Disease Management			
	91035	Plant Breeding			
	91036	Population & Community Ecology			
	91037	Modern Trends in Angiosperm Taxonomy			
	91038	Physiology & Biochemistry of Marine Plants			
	91039	Molecular Biotechnology & Genetic Engineering			

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	Wednesday 29/11/2023	From 10.30 am To 1.30 pm	
DSE-304	85318	Biotechnology and Genetic Engineering	Friday 01/12/2023		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
CCS-302	85319	Adv.Plant Physiology & Plant Biochemistry	Tuesday 05/12/2023		
	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			
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
CCS-303	85326	Plant Growth & Development	Thursday 07/12/2023		
	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-2341		M.Sc Part II, :- Sem – IV BOTANY		New Revised From March 2023	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-401	86622	Plant Physiology and Metabolism	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
DSE-404	86623	Biodiversity, conservation and utilization	Friday 01/12/2023		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
CCS-402	86626	Stress Physiology of Plants	Tuesday 05/12/2023		
	86627	Industrial Mycology			
	86628	Molecular Genetics			
	86629	Experimental Ecology and Energy studies			
	86630	Angiosperm Taxonomy Floristics & Biosystematics			
	86631	Marine Ecology			
	86632	Application and Prospects of Plant Tissue culture			
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
CCS-403	86635	Applied Plant Physiology	Thursday 07/12/2023		
	86636	Integrated Disease Management			
	86637	Special Approaches in Genetic Improvement of Crop Plants			
	86638	Environmental issues assessment and Restoration			
	86639	Phylogeny & floral Biology of Angiosperm			
	86641	Application, Regulation and Patenting Biotechnology			
	86640	Applied Marine Botany			

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

<b>Course code-205</b>		<b>M.Sc Part II., :- Sem – IV BOTANY</b>		<b>New Revised From March 2021</b>	
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>	
CC-401	82888	Plant Physiology and Metabolism	Wednesday 29/11/2023	<b>From 2.30 pm To 5.30 pm</b>	
DSE-404	82889	Biodiversity, conservation and utilization	Friday 01/12/2023		
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
<b>CCS-402</b>	82893	Stress Physiology of Plants	<b>Tuesday 05/12/2023</b>		
	82894	Industrial Mycology			
	82895	Molecular Genetics			
	82896	Experimental Ecology and Energy studies			
	82897	Angiosperm Taxonomy Floristics & Biostematics			
	82898	Marine Ecology			
	82899	Application and Prospects of Plant Tissue culture			
<b>CHOOSE ANY ONE OF THE FOLLOWING</b>					
<b>CCS-403</b>	82900	Applied Plant Physiology	<b>Thursday 07/12/2023</b>		
	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-2353		M.Sc Part II :- Sem.-III Electronics		New Revised From Oct 2023 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	91014	Control Theory	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
CCS-302	91015	Computer Network	Friday 01/12/2023	
CCS-303	91016	Microcontroller System Design ARMArchitecture	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF PAPER FROM DSE-304</b>				
DSE-304	91017	Industrial Automation	Wednesday 06/12/2023	
	91018	Biomedical Instrumentation		
	91019	MATLAB Programming for Numerical Computation		
	91020	Hardware-Software Co-design		
	91021	Satellite Communication		
	91022	Soft Computing		
	91023	VHDL Programming		

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	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
CCS-302	85341	Computer Network	Friday 01/12/2023	
CCS-303	85342	Microcontroller System Design ARMArchitecture	Monday 04/12/2023	
<b>CHOOSE ANY ONE OF PAPER FROM DSE-304</b>				
DSE-304	85343	Industrial Automation	Wednesday 06/12/2023	
	85344	Biomedical Instrumentation		
	85345	MATLAB Programming for Numerial Computation		
	85346	Hardware-Software Co-design		
	85347	Satellite Communication		
	85348	Soft Computing		
	85349	VHDL Programming		

<b>Course code-2341</b>	M.sc Part II Sem-IV -ELECTRONICS ( C.B.C.S			From March 2023	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-401	86650	Digital Signal Processing	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
CCS-402	86651	Analog and Digital Circuit Design	Friday 01/12/2023		
CCS-403	86652	Real Time Embedded System	Monday 04/12/2023		
- CHOOSE ANY One OF THE FOLLOWING					
DSE-404	86658	Advanced Drives	Wednesday 06/12/2023		
	86661	Artificial Intelligence & Machine Learning			
	86657	IOT & Data Analytics			
	86655	ARM Programming and Embedded Communication Protocols			
	86660	FPGA Based Systems			
	86659	Antennas			
	86662	Mechnatronics			
	86656	Cellular Mobile communication			
<b>Course code-205</b>	M.sc Part II Sem-IV -ELECTRONICS ( C.B.C.S				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time	
CC-401	81779	Digital Signal Processing	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm	
CCS-402	81780	Analog and Digital Circuit Design	Friday 01/12/2023		
CCS-403	81781	Real Time Embedded System	Monday 04/12/2023		
- CHOOSE ANY One OF THE FOLLOWING					
DSE-404	81782	Advanced Drives	Wednesday 06/12/2023		
	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.)

<b>Course code-2353</b>	M.Sc Part-II Sem III INDUSTRIAL CHEMISTRY ( C.B.C.S.) From Oct 2023			
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IND-3.1	92070	Organic Chemical Industries	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
IND-3.2	92071	Inorganic Chemical Industries	Friday 01/12/2023	
IND-3.3	92072	Methods of Analysis in Industries	Monday 04/12/2023	
<b>CHOOSE ANY ONE</b>				
IND- E 01	92073	General Chemical Technology	Wednesday 06/12/2023	
IND- E 02	92074	Advanced Analytical Techniques in Industry		
IND- E 03	92075	Chemical Analysis in Agro, Food and Pharmaceutical Industries		

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

<b>Course code-2341</b>		<b>M.Sc Part-II Sem III INDUSTRIAL CHEMISTRY ( C.B.C.S.)</b>		
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IND-3.1	85375	Organic Chemical Industries	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
IND-3.2	85376	Inorganic Chemical Industries	Friday 01/12/2023	
IND-3.3	85377	Methods of Analysis in Industries	Monday 04/12/2023	
IND-1TO 3	<b>CHOOSE ANY ONE IND-1TO 3</b>			
	85379	General Chemical Technology	Wednesday 06/12/2023	
	85380	Advanced Analytical Techniques in Industry		
85374	Chemical Analysis in Agro, Food and Pharmaceutical Industries			

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

<b>Course code-2353 M.Sc Part-II Sem IV INDUSTRIAL CHEMISTRY( C.B.C.S.)</b>				New Revised from March 2023
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86696	Drug and Pharmaceuticals	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	86697	Inorganic Chemical Industries	Friday 01/12/2023	
XV	86698	Selected Topics in Industrial Chemistry	Monday 04/12/2023	
XVI	<b>CHOOSE ANY One OF THE FOLLOWING</b>			
	86701	Environmental Chemistry	Wednesday 06/12/2023	
	86702	Pharmaceutical Chemistry		
86703	Chemistry of Industrially Important Materials			

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

<b>Course code-205 M.Sc Part-II Sem IV INDUSTRIAL CHEMISTRY( C.B.C.S.)</b>				New Revised from March 2021
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	80395	Drug and Pharmaceuticals	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
XIV	80396	Inorganic Chemical Industries	Friday 01/12/2023	
XV	80397	Selected Topics in Industrial Chemistry	Monday 04/12/2023	
XVI	<b>CHOOSE ANY One OF THE FOLLOWING</b>			
	80398	Environmental Chemistry	Wednesday 06/12/2023	
	80399	Pharmaceutical Chemistry		
80400	Chemistry of Industrially Important Materials			

**M.Sc. Biochemistry**

<b>Course code-2353 M.Sc Part-II Sem-III - BIOCHEMISTRY</b>				New Revised From Oct 2023 Exam
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC- 301	91091	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
CCS- 302	91092	Biomembrances & Cytoskeleton	Thursday 23/11/2023	
DSE -304	91093	Immunology	Saturday 25/11/2023	
<b>Choose Any One Of the Following</b>				
CCS-303 (A)	91851	Fermentation Technology	Tuesday 28/11/2023	
CCS-303 (B)	91095	Clinical Biochemistry		
CCS-303 (C)	91096	Biochemical and Environmental Toxicology		



### 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	Tuesday 21/11/2023		From 2.30 pm To 5.30 pm	
CCS-302	85307	Biomembrances & Cytoskeleton	Thursday 23/11/2023			
DSE-304	85308	Immunology	Saturday 25/11/2023			
<b>Choose Any One Of the Following</b>						
CCS-303- A	85309	Fermentation Technology	Tuesday 28/11/2023			
CCS-303- B	85310	Clinical Biochemistry				
CCS-303- C	85311	Biochemical and Environmental Toxicology				

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

Course code-2341			M.sc Part II Sem- IV- BIOCHEMISTRY ( C.B.C.S.)		New Revised From March 2023	
Paper No	Paper Code	Paper Name	Day and Date		Paper Time	
CC-401	90505	Research Methodology, Entrepreneurship Development & Communication skill	Monday 20/11/2023		From 2.30 pm To 5.30 pm	
CCS-402	90506	Neurochemistry and Carcinogenesis	Wednesday 22/11/2023			
CCS-403	90507	Bioinformatics	Friday 24/11/2023			
<b>Choose Any One of the Following</b>						
DSE-404A	90508	Fermentation Technology – II	Wednesday 29/11/2023			
DSE-404B	90509	Clinical Biochemistry – II				
DSE-404C	90510	Biochemical and Environmental Toxicology– II				

### 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	Monday 20/11/2023		From 2.30 pm To 5.30 pm	
CCS-402	80414	Neurochemistry and Carcinogenesis	Wednesday 22/11/2023			
CCS-403	80415	Bioinformatics	Friday 24/11/2023			
<b>Choose Any One of the Following</b>						
DSE-404A	80416	Fermentation Technology – II	Wednesday 29/11/2023			
DSE-404B	80417	Clinical Biochemistry – II				
DSE-404C	80418	Biochemical and Environmental Toxicology– II				

**M.Sc. BIOTECHNOLOGY**

M.sc Part-II Sem-III BIOTECHNOLOGY				
New Revised From Oct 2022exam			Course code-2353	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC- 301	91091	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
DSE – 304	91093	Immunology	Saturday 25/11/2023	
CCS – 303	91851	Fermentation Technology-I	Tuesday 28/11/2023	
CCS - 302	91850	Advances in Plant Biotechnology	Thursday 23/11/2023	

**M.Sc. BIOTECHNOLOGY**

M.sc Part-II Sem-III BIOTECHNOLOGY				
New Revised From Oct 2022exam			Course code-2341	
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85312	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
DSE-304	85313	Immunology	Saturday 25/11/2023	
CC-303	85314	Fermentation Technology-I	Tuesday 28/11/2023	
CCS-302	85315	Advances in Plant Biotechnology	Thursday 23/11/2023	

**M.Sc. BIOTECHNOLOGY**

M.sc Part II Sem- IV- BIOTECHNOLOGY				New Revised From March 2023
Course code-2341	Paper No	Paper Code	Paper Name	Day and Date
	CC401	86615	Animal Tissue culture	Monday 20/11/2023
	CCS403	86614	Bioinformatics	Friday 24/11/2023
<b>Choose Any One of the Following</b>				
	CCS402 A	86618	Advances in Genomics and Proteomics	Wednesday 22/11/2023
	CCS402B	86619	Microbial Fermentation Technology	
<b>Choose Any One of the Following</b>				
	DSE404A	86621	Nanobiotechnology	Wednesday 29/11/2023
	DSE404B	86620	Fermentation Technology-II	

**M.Sc. BIOTECHNOLOGY**

M.sc Part II Sem- IV- BIOTECHNOLOGY				New Revised From March 2021
Course code-205	Paper No	Paper Code	Paper Name	Day and Date
	CC401	82847	Animal Tissue culture	Monday 20/11/2023
	CCS403	82842	Bioinformatics	Friday 24/11/2023
<b>Choose Any One of the Following</b>				
	CCS402 A	82848	Advances in Genomics and Proteomics	Wednesday 22/11/2023
	CCS402B	82849	Microbial Fermentation Technology	
<b>Choose Any One of the Following</b>				
	DSE404A	82851	Nanobiotechnology	Wednesday 29/11/2023
	DSE404B	82852	Fermentation Technology-II	

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

<b>Course code-2353 M.Sc Part-II Sem-III- Microbiology ( C.B.C.S. )</b>				<b>New Revised From Oct 2023 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	91091	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
CCS-302	91848	Microbial Diversity and Extremophils	Thursday 23/11/2023	
CCS-303	91851	Fermentation Technology	Tuesday 28/11/2023	
DSE-304	91093	Immunology	Saturday 25/11/2023	

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

<b>Course code-2341 M.Sc Part-II Sem-III- Microbiology ( C.B.C.S. )</b>				<b>New Revised From Oct 2022 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	85408	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
CCS-302	85409	Microbial Diversity and Extremophils	Thursday 23/11/2023	
CCS-303	85407	Fermentation Technology	Tuesday 28/11/2023	
DSE-304	85410	Immunology	Saturday 25/11/2023	

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

<b>M.sc part-II Sem-IV MICROBIOLOGY ( C.B.C.S. )</b>				<b>New Revised From March2023</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	86723	Food and Dairy Microbiology	Monday 20/11/2023	From 2.30 pm To 5.30 pm
CCS-402	86724	Microbial Fermentation Technology	Wednesday 22/11/2023	
CCS-403	86725	Bioinformatics	Friday 24/11/2023	
DSE-404	86726	Medical Microbiology	Wednesday 29/11/2023	

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

<b>M.sc part-II Sem-IV MICROBIOLOGY ( C.B.C.S. )</b>				<b>New Revised From March2021</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-401	82840	Food and Dairy Microbiology	Monday 20/11/2023	From 2.30 pm To 5.30 pm
CCS-402	82841	Microbial Fermentation Technology	Wednesday 22/11/2023	
CCS-403	82842	Bioinformatics	Friday 24/11/2023	
DSE-404	82843	Medical Microbiology	Wednesday 29/11/2023	

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

<b>M.Sc Part-II Sem-III- Pharmaceutical Microbiology ( C.B.C.S. )</b>				<b>New Revised From Oct2023 Exam</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
CC-301	91091	Genetic Engineering	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
CCS-302	91848	Microbial Diversity and Extremophils	Thursday 23/11/2023	
CCS-303	91849	Pharmaceutical Microbiology	Tuesday 28/11/2023	
DSE-304	91093	Immunology	Saturday 25/11/2023	

**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	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
CCS-302	85420	Microbial Diversity and Extremophils	Thursday 23/11/2023	
CCS-303	85419	Pharmaceutical Microbiology	Tuesday 28/11/2023	
DSE-304	85421	Immunology	Saturday 25/11/2023	

**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	90499	Quality Management and IPR	Monday 20/11/2023	From 2.30 pm To 5.30 pm
CCS402	90500	Fermentation Technology and Process Designing	Wednesday 22/11/2023	
CCS403	90501	Bioinformatics	Friday 24/11/2023	
DSE404	90502	Medical Microbiology	Wednesday 29/11/2023	

**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	Monday 20/11/2023	From 2.30 pm To 5.30 pm
CCS402	80430	Fermentation Technology and Process Designing	Wednesday 22/11/2023	
CCS403	80431	Bioinformatics	Friday 24/11/2023	
DSE404	80432	Medical Microbiology	Wednesday 29/11/2023	

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

New Revised From Oct 2023 Exam Course code-2353		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
CC-301	91040	Pesticide Residues And Toxicology	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
CCS-302	91041	Pest of Crop Plants And Their Control-I	Friday 01/12/2023	
CCS-303	91042	Analysis of Agrochemical	Monday 04/12/2023	
DSE-304	91043	Diseases of Vegetables Fruit tress, Plantation, Forest Ornamental Plants	Wednesday 06/12/2023	

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

<b>New Revised From Oct 2022 Exam</b>		Branch M.Sc Part-II Sem-III - AGRO CHEMICAL & PEST MANAGEMNT ( C.B.C.S.)		
<b>Course code-2341</b>				
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX	86363	Pesticide Residues And Toxicology	Wednesday 29/11/2023	From 10.30 am To 1.30 pm
X	86364	Pest of Crop Plants And Their Control-I	Friday 01/12/2023	
XI	86365	Analysis of Agrochemical	Monday 04/12/2023	
XII	86366	Diseases of Vegetables Fruit tress,Plantation,Forest Ornamental Plants	Wednesday 06/12/2023	

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

<b>New Revised From March 2023Exam</b>		M.Sc Part-II Sem-IV - AGRO CHEMICAL & PEST MANAGEMNT( C.B.C.S.)		<b>Course code-2341</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86565	Agro-based Marketing Management	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
XIV	86566	Pests Of Crop Plants And Their Control- II	Friday 01/12/2023	
XV	86567	Manufacture Of Agrochemicals	Monday 04/12/2023	
XVI	86568	Agricultural Bio-Technology and Integrated Disease Management	Wednesday 06/12/2023	

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

<b>New Revised From March 2021Exam</b>		M.Sc Part-II Sem-IV - AGRO CHEMICAL & PEST MANAGEMNT( C.B.C.S.)		<b>Course code-205</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81640	Agro-based Marketing Management	Wednesday 29/11/2023	From 2.30 pm To 5.30 pm
XIV	81641	Pests Of Crop Plants And Their Control- II	Friday 01/12/2023	
XV	81642	Manufacture Of Agrochemicals	Monday 04/12/2023	
XVI	81643	Agricultural Bio-Technology and Integrated Disease Management	Wednesday 06/12/2023	

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

<b>New Revised From Oct 2023 Exam</b>		M.Sc Part-II Sem-III General MICROBIOLOGY -		<b>Course code-2353</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
IX, CC - 301	91099	Biostatistics Bioinformatics & Scientific Writings	Friday 24/11/2023	From 2.30 pm To 5.30 pm
X, CCS – 302	91100	Enzymology and Enzyme Technology	Wednesday 29/11/2023	
XI, CCS- 303	91094	Fermentation Technology	Friday 01/12/2023	
DSE - 304	91101	Quality Control Microbiology	Monday 04/12/2023	

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

<b>New Revised From Oct 2022 Exam</b>		M.Sc Part-II Sem-III General MICROBIOLOGY -		<b>Course code-2341</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
MIC-301	85363	Biostatistics Bioinformatics & Scientific Writings	Friday 24/11/2023	From 2.30 pm To 5.30 pm
MIC-302	85364	Enzymology and Enzyme Technology	Wednesday 29/11/2023	
MIC-303	85365	Fermentation Technology	Friday 01/12/2023	
MIC-304	85366	Quality Control Microbiology	Monday 04/12/2023	

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

<b>Course code-2341</b>	<b>M.Sc Part-II Sem-IV General MICROBIOLOGY</b>			<b>From March 2023 Exam</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>
MIC-401	86684	Food and Dairy Microbiology	Friday 24/11/2023	From 10.30 am To 1.30 pm
MIC-402	86685	Industrial Waste Management	Wednesday 29/11/2023	
MIC-403	86686	Recombinat DNA Technology	Friday 01/12/2023	
MIC-404	86687	Quality Control Microbiology	Monday 04/12/2023	

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

<b>Course code-205</b>	<b>M.Sc Part-II Sem-IV General MICROBIOLOGY</b>			<b>From March 2021 Exam</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>
MIC-401	81634	Food and Dairy Microbiology	Friday 24/11/2023	From 10.30 am To 1.30 pm
MIC-402	81635	Industrial Waste Management	Wednesday 29/11/2023	
MIC-403	81636	Recombinat DNA Technology	Friday 01/12/2023	
MIC-404	81637	Quality Control Microbiology	Monday 04/12/2023	

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

<b>Course code-2353</b>	<b>M.Sc. Part-II Sem-III Geology</b>			<b>New Revised From Oct-2023 Exam</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>
CC-301	91084	Hydrogeology	Tuesday 21/11/2023	From 10.30 am To 1.30 pm
CCS-302	91085	Geophysics and Exploration Methods	Thursday 23/11/2023	
CCS-303	91086	Geochemistry	Saturday 25/11/2023	
DSE-304	<b>Choose Any One of the Following</b>		Wednesday 29/11/2023	
	91087	Gemmology and Industrial Mineralogy		
	91088	Mining Geology		
	91089	Marine Geology		
	91090	Geoinformatics		

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

<b>Course code-2341</b>	<b>M.Sc. Part-II Sem-III Geology</b>			<b>New Revised From Oct-2022 Exam</b>
<b>Paper No</b>	<b>Paper Code</b>	<b>Paper Name</b>	<b>Day and Date</b>	<b>Paper Time</b>
CC-301	85367	Hydrogeology	Tuesday 21/11/2023	From 10.30 am To 1.30 pm
CCS-302	85368	Geophysics and Exploration Methods	Thursday 23/11/2023	
CCS-303	85369	Geochemistry	Saturday 25/11/2023	
DSE-304	<b>Choose Any One of the Following</b>		Wednesday 29/11/2023	
	85370	Gemology & Industrial Mineralogy		
	85371	Mining Geology		
	85372	Marine Geology		
	85373	Geoinformatics		

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

<b>Course code-2341</b>				<b>New Revised From</b>
<b>M.Sc. Part-II Sem-IV Geology</b>				<b>March2023</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	86690	Engineering Geology and Geotechniques	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
XIV	86691	Natural Resource Management	Thursday 23/11/2023	
XV	86692	Environmental Geology	Saturday 25/11/2023	

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

<b>Course code-205</b>				<b>New Revised From</b>
<b>M.Sc. Part-II Sem-IV Geology</b>				<b>March2021</b>
Paper No	Paper Code	Paper Name	Day and Date	Paper Time
XIII	81626	Engineering Geology and Geotechniques	Tuesday 21/11/2023	From 2.30 pm To 5.30 pm
XIV	81627	Natural Resource Management	Thursday 23/11/2023	
XV	81628	Environmental Geology	Saturday 25/11/2023	

**Note:-** In Case of any Query found in respective Question Paper ,Student shall communicate thesame through Principal/Senior supervisor within 03 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: 16-10- 2023

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

