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<b>Final Programme</b> <b>For M. Sc. (CBCS)</b> <b>March/April 2019 Exam</b>
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**SHIVAJI UNIVERSITY, KOLHAPUR.**  
**Circular No 151 Exam. March/April 2019 Exam**

Final Programme for the university Examination of M.Sc (Zoology, Computer Sci, , Chemistry (All Branches) Botany, Electronics, App.Chemistry, Industrial Chemistry, Horizontal Mobility (Bio-tech,Bio-chem,Micro,Env-Biotech, Pharmaceutical Microbiology A.G.P.M, Microbiology (CBCS- R), Applied Microbiology, Subject ) Choice Base Credit System & Geology Exam.[ C.B.C.S.] Examination to be held in March/April 2019 Exam

\* 1. The Written Examination will be held at following centre and Places delared:-

Sr. No	Center	College/Dept. Code	Exam	Places
01	KOLHAPUR	541 to 546 548,552,553 555 to 557,578	M.Sc.(Zoology, Computer Sci, , Chemistry(All Branches) Botany,Electronics,AppChemistry,Industrial Chemistry, Horizontal Mobility(Bio-tech,Bio-chem,Micro,Env-Biotech), A.G.P.M.) Science Subjects ), Pharmaceutical Microbiology	University Teaching concern department. Shivaji University Campus. KOLHAPUR
02		31	M. Sc. Chemistry (Analytical)	Rajaram College, Kolhapur
03		260	M.Sc. Geology	Gopal Krushna Gokhale College, Kolhapur
04		01	M.Sc. Chemistry, Organic Chemistry	Vivekanand College, Kolhapur
05		32	M.Sc. Chemistry, (Physical)	Rajarshri Chh. Shahu College Kadamwadi
06	Arjunnagar	48	M.Sc. Agrochemical & Pest - Management,Chemistry(Organic)	Devachand College, Arjunnagar, Kop
07	Jaysingpur	43	M.Sc. Chemistry , Analytical Chemistry	Jaysingpur College, JAYSINGPUR
08	Ichalkaranji	38	M. Sc. Botany	Dattajirao Kadam Arts, Science & Commers College Ichalkaranji
09	Gadhinglaj	03	M. Sc. Computer Science, M.Sc Chemistry (Organic)	Shivraj College of Arts, Commerce & D. S. Kadam Science college gadhinglaj Dist. Kolhapur
10	Urun Islampur	90	M.Sc. Computer Science,. M.Sc. Chemistry Physical Chemistry,	1) Karmveer Bhaurao Patil College, Urun – Islampur. Dist- Sangli
		88	M.Sc. Computer Science, Chemistry, Organic Chemistry	2) Smt Kusumtai Rajarambapupatil kanya Mahavidylya Urun-Islampur.
11	Palus	104	M.Sc. Computer Science	Arts, Commerce & Science College, PALUS
12	Tasgaon	92	M.Sc. Chemistry, Organic Chemistry	Padm Bhushon DR. Vasantrao dada patil Mahavidyalaya, Tasgaon
13	Sangli	73	M.Sc. Chemistry, Analytical Chemistry	1) Dr.Patangrao Kadam Mahavidylya Sangli
		78	M.Sc. Computer Science, Electronics	2) Smt Kasturbai Walchand College Sangli
		80	M.Sc. Chemistry (Organic)	3) Willingdon College Sangli
14	Kadegaon	101	M. Sc. Botany	Matoshri Bayyabai Shripathrao Kadam Kanya Mahavidyalaya, Kadegaon Dist Sangli
15	Vita	86	M.Sc. Chemistry Inorganic, Organic, Analytical	Balwant College, VITA
16	Satara	149	M.Sc.Botany, Chemistry, Organic Chemistry, App Microbiology, Zoology Electronics	1) Yashwantrao Chavan Institute of Science, SATARA
		145	M.Sc. Chemistry, Analytical Chemistry, Zoology.	2) Lal Bhadur Shastri college Satara
17	Dahiwadi	164	M.Sc. Chemistry Organic Chemistry	Dahiwadi College, DAHIWADI.
18	Karad	158	M.Sc., Chemistry, Analytical Chemistry, Microbiology (CBCS-R)	1) Yashwantrao Chavan college of Science College, KARAD
		156	M.Sc. Zoology , Computer Sci, Chemistry, Organic Chemistry.	2) Sadguru Ghadge Maharaj College Karad
19	Patan	159	M.Sc. Chemistry, Analytical Chemistry	Balasaheb Desai College, PATAN
20	Wai	161	M.Sc. Chemistry, Organic Chemistry,	Kissan Veer Mahavidyalaya, Wai.
21	Jath	94	M.Sc. Chemistry (Analytical )	RajeRamrao Mahavidyalya Jath Dist Sangli
22	Warananagar	50	M.Sc. Chemistry (Analytical )	Yashwantrao Chavan Warna Mahavidylyaya Warananagar

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

**Exam Center :- Kolhapur, Satara, Karad**

<b>Branch Code-ZOOLOGY (C.B.C.S.)</b>				<b>From Oct. 2013</b>
<b>Part I :- Sem. I</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59844	Biosystematics & Biodiversity	Tuesday 16-4-2019	From 11.00AM  To 2.00PM
II	59845	Ecology & Environmental Pollution	Thursday 18-4-2019	
III	59846	Cell & Molecular Biology	Saturday 20-4-2019	
IV	59847	Applied Entomology	Thursday 25-4-2019	
	59848	Practical I	Internal Exam	
	59849	Practical II		
<b>Branch Code- ZOOLOGY ( C.B.C.S.)</b>				<b>From April-2014</b>
<b>Part I :- Sem II</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61386	Physiological Chemistry	Monday 15-4-2019	From 11.00AM  To 2.00PM
VI	61387	Quantitative Biology & Tools and Techniques in Biology	Friday 26-4-2019	
VII	61388	Elements of Physiology	Monday 29-4-2019	
VIII	61389	Biology of Parasites	Thursday 2-5-2019	
	61390	Practical III	Internal Exam	
	61391	Practical IV		

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

<b>Branch Code- ZOOLOGY(C.B.C.S.)</b>				<b>From Oct. 2014</b>
<b>Part II :- Sem III</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64145	Genetics	Tuesday 16-4-2019	From 3.00PM To 6.00PM
X	64146	Enzymology	Thursday 18-4-2019	
<b>PAPER NO. XI – CHOOSE ANY ONE OF THE FOLLOWING</b>				
PAPER NO. XI	64149	Computational Molecular Biology	Saturday 20-4-2019	From 3.00PM To 6.00PM
	64150	Animal Physiology		
	64151	Basic Entomology		
	64152	Fisheries Resources – Inland and Marine Fisheries		
	64157	General Sericulture and Moriculture		
<b>PAPER NO. XII – CHOOSE ANY ONE OF THE FOLLOWING</b>				
PAPER NO. XII	64153	Molecular Biology of Gene	Thursday 25-4-2019	From 3.00PM To 6.00PM
	64154	Applied Physiology		
	64155	Agricultural Entomology		
	64156	Fish Pathology & Reproductive Endocrinology		
	64158	Silkworm Biology & Rearing Technology		
CBCS Elective Paper From	65761	Applied Zoology	Tuesday 30-4-2019	
	64147	PRACTICAL V	Internal Examination	
	64148	PRACTICAL VI		

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

Branch Code- ZOOLOGY ( C.B.C.S.)			From April-2015	
Part II :- SEM-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65108	Animal Cells in Biotechnology	Monday 15-4-2019	From 3.00PM To 6.00PM
XIV	65109	Toxicology and Immunology	Friday 26-4-2019	
<b>Paper No. – Paper – XV Choose <u>Any one</u> of the following (Optional)</b>				
Paper – NO XV	65112	Cell in differentiation, development and specialization	Monday 29-4-2019	From 3.00PM To 6.00PM
	65113	Physiology of Health		
	65114	Insect Anatomy and Physiology		
	65115	Aquaculture practices		
	65181	Cytogenetics and breeding of silkworm & Host Plants		
<b>Paper No. – Paper – XVI Choose <u>Any one</u> of the following (Optional)</b>				
Paper – NO XVI	65116	Cell Pathology	Thursday 2-5-2019	From 3.00PM To 6.00PM
	65117	Clinical Physiology		
	65118	Pest Management Concepts		
	65119	Fishery Technology		
	65182	Grainage, Silk Technology and Economics of Sericulture		
CBCS Elective Paper From March. 2016	65762	Biology of Reproduction	Friday 3-5-2019	
	65110	Practical VII-Practical based on XIII and XIV	Internal Exam	
	65111	Practical VIII- Practical based on XV and XVI		

## M.Sc. COMPUTER SCIENCE [ C.B.C.S.]

Branch Code- COMPUTER SCIENCE ( C.B.C.S.)			From October, 2013	
Part I :- Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59752	Theory of Languages	Thursday 25-4-2019	From 11.00AM  To 2.00PM
II	59753	Advanced Computer Networks	Saturday 27-4-2019	
III	59754	Advanced Database Theory	Monday 29-4-2019	
IV	59755	Design & Analysis of Algorithms	Thursday 2-5-2019	
V (CBCS)	60850	Web Designing	Saturday 4-5-2019	
	59756	Lab I	Internal Examination	
	59757	Lab II		
Branch Code -COMPUTER SCIENCE ( C.B.C.S.)			From April-2014	
Part I :- Sem II				
PAPER NO.	PAPER	PAPER NAME	DAY & DATE	PAPER TIME
VI	61307	Compiler Techniques	Friday 26-4-2019	From 11.00AM  To 2.00PM
VII	61308	Artificial Intelligence	Tuesday 30-4-2019	
VIII	61309	Java Programming	Friday 3-5-2019	
IX (CBCS)	61507	Software Engineering	Monday 6-5-2019	
	71119	Android Fundamentals Development (From April 2018 Exam)		
<b>PAPER NO. X – Choose <u>Any One</u> Of The Following</b>				
<b>X</b>	61310	Data Ware House	Wednesday 8-5-2019	
	61741	Network Security		
	61742	Parallel Computing		
	61743	Computer Architecture		
	61311	Lab – III		
	61312	Lab – IV		
			Internal Exam	

### M.Sc. COMPUTER SCIENCE [C.B.C

Exam Center :- Kolhapur, Gadhinglaj, Sangli, Urun-islampur, Palus, Satara, Karad

Branch Code- COMPUTER SCIENCE ( C.B.C.S.)				From Oct. 2014
Part II :- Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	63731	Internet Programming	Thursday 25-4-2019	From 3.00PM To 6.00PM
XII	63732	Computer Graphics	Saturday 27-4-2019	
XIII	<b>Paper NoXIII.- Choose <u>Any one</u> of the following</b>			
	63733	Cloud computing	Monday 29-4-2019	
	63734	Distributed O.S.		
	63735	Data Mining		
63736	Open Source Software's			
XIV	63737	Software Project Management (CBCS)	Thursday 2-5-2019	
	63738	Internet Programming Lab	Internal Exam	
	63739	Computer Graphics Lab		
	63740	Project		
Branch Code- COMPUTER SCIENCE ( C.B.C.S.)				From April-2015
Part II :- SEM-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
	63741	Research/Industrial Project	Internal Exam	
	63742	Research Seminar		

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

Exam Center :- Kolhapur, Jaysingpur, Tasgaon, Islampur, Sangli, Vita, Satara, Wai, Dahiwadi, Patan, Karad,

Chance UPTO March 2019		Branch Code- CHEMISTRY (C.B.C.S.)			UPTO March 2019
Part I :- Sem I					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
I	59821-AppliedChemistry(SUK) 59803-Chemistry	\$ Inorganic Chemistry – I	Monday 1-4-2019	From 11.00AM  To  2.00PM	
II	59822-AppliedChemistry(SUK) 59804-Chemistry	\$ Organic Chemistry – I	Thursday 4-4-2019		
III	59823-AppliedChemistry(SUK) 59805-Chemistry	\$ Physical Chemistry – I	Tuesday 9-4-2019		
IV	59824-AppliedChemistry(SUK) 59806-Chemistry	\$ Analytical Chemistry – I	Friday 12-4-2019		
	59807- Chemistry 59825-AppliedChemistry(SUK)	\$ Practical - I	Internal Exam.		
	59808- Chemistry 59826-AppliedChemistry(SUK)	\$ Practical - II			

**Note - \$ This Indicates Sem I & II Common paper to all the Branches of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry for repeater students only.**

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

Exam Center :- Kolhapur, Arjun Nagar Jaysingpur, Tasgaon, Islampur, Sangli, Vita, Satara, Wai, Dahiwadi, Patan, Karad,

New Revised From Oct 2018 Exam		Branch Code CHEMISTRY (C.B.C.S.)		
Part I :- Sem I				
PAPER	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71511	* Inorganic Chemistry – I	Monday 1-4-2019	From 11.00AM  To  2.00PM
II	71512	* Organic Chemistry – I	Thursday 4-4-2019	
III	71513	* Physical Chemistry – I	Tuesday 9-4-2019	
IV	71514	* Analytical Chemistry – I	Friday 12-4-2019	
	71515	*Practical – I	Internal Exam.	
	71516	*Practical - II		

**Note - \* This Indicates Sem I Common paper to all Branches of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry and Industrial Chemistry for Fresh students only.**

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

Exam Center :- Kolhapur, Arjunnagar Jaysingpur, Tasgaon, Islampur, Sangli, Vita, Satara, Wai, Dahiwadi, Patan, Karad,

New Revised From March 2019 Exam		Branch Code CHEMISTRY (C.B.C.S.) Part I :- Sem II		
PAPER	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	71521	* Inorganic Chemistry – II	Friday 29-3-2019	From 11.00AM  To 2.00PM
VI	71522	* Organic Chemistry – II	Tuesday 2-4-2019	
VII	71523	* Physical Chemistry – II	Friday 5-4-2019	
VIII	71524	* Analytical Chemistry – II	Wednesday 10-4-2019	
	71525	* Practical – III	Internal Exam.	
	71526	* Practical - IV		

Note - \*This Indicates Sem I Common paper to all Branches of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry and Industrial Chemistry for Fresh students only.

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

Exam Center :- Kolhapur, Jaysingpur, Tasgaon, Islampur, Sangli, Vita, Satara, Wai, Dahiwadi, Patan, Karad,

Chance UPT Oct 2019		Branch Code- CHEMISTRY (C.B.C.S.) Part I :- Sem II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61375- Applied Chemistry (SUK) 61357- Chemistry	# Inorganic Chemistry – II	Friday 29-3-2019	From 11.00AM  To 2.00PM
VI	61376- Applied Chemistry (SUK) 61358- Chemistry	# Organic Chemistry – II	Tuesday 2-4-2019	
VII	61377- Applied Chemistry (SUK) 61359- Chemistry	# Physical Chemistry – II	Friday 5-4-2019	
VIII	61378- Applied Chemistry (SUK) 61360 Chemistry	# Analytical Chemistry – II	Wednesday 10-4-2019	
	61379- Applied Chemistry (SUK) 61361- Chemistry	# Practical - III	Internal Exam	
	61380- Applied Chemistry (SUK) 61362- Chemistry	# Practical - IV		

Note - # This Indicates Sem II Common paper to all Branch of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry for repeater students only.

### PHYSICAL CHEMISTRY [ C.B.C.S.]

Exam Center:- Kolhapur, Urun - Islampur,

Branch Code- PHYSICAL CHEMISTRY (C.B.C.S.) Part II :- Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61067	Advanced Quantum Chemistry	Monday 1-4-2019	From 3.00PM To 6.00PM
X	61068	Electrochemistry	Thursday 4-4-2019	
XI	61069	Molecular Structure – I	Tuesday 9-4-2019	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
Paper No. XII	61070	Solid State Chemistry	Friday 12-4-2019	Internal Exam
	61071	Advanced Chemical Kinetics		
	61072	Radiation & Photochemistry		
	61073	Practical – V		
	61074	Practical – VI		

## PHYSICAL CHEMISTRY [ C.B.C.S.]

<b>Branch Code- PHYSICAL CHEMISTRY (C.B.C.S.)</b>					
<b>Part II :- Sem IV</b>					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
XIII	61416	Thermodynamics and Molecular Modeling	Saturday 30-3-2019	From 11.00AM  To 2.00PM	
XIV	61417	Chemical Kinetics	Wednesday 3-4-2019		
XV	61418	Molecular Structure II	Monday 8-4-2019		
<b>PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>					
	61419	Surface Chemistry	Thursday 11-4-2019		
	61421	Chemistry of Materials			
	61422	Biophysical Chemistry			
	61420	Practical – VII		<b>Internal Exam</b>	
	61423	Practical – VIII			

## ANALYTICAL CHEMISTRY [ C.B.C.S.]

**Exam Center :- Kolhapur, Jaysingpur, Sangli, Satara, Patan, Karad,**

<b>Branch Code- ANALYTICAL CHEMISTRY (C.B.C.S.)</b>				
<b>Part II :- Sem.- III</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61048	General Analytical Techniques	Monday 1-4-2019	From 3.00PM To 6.00PM
X	61049	Organo Analytical Chemistry	Thursday 4-4-2019	
XI	61050	Electro-Analytical Techniques in chemical Analysis	Tuesday 9-4-2019	
<b>Paper No.XII- Choose Any</b>	61051	Environmental chemical Analysis & Control	Friday 12-4-2019	
	61052	Recent Advance in Analytical		
	64629	Chemical Analysis in Agro, Food and Pharmaceutical Industries		
	61053	Practical - V		<b>Internal Exam</b>
61054	Practical - VI			

## ANALYTICAL CHEMISTRY [ C.B.C.S.]

<b>Branch Code - ANALYTICAL CHEMISTRY (C.B.C.S.)</b>				<b>From April-2015</b>
<b>Part II :- Sem. – IV</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61527	Modern Separation method in Analysis	Saturday 30-3-2019	From 11.00AM  To 2.00PM
XIV	61528	Organic Industrial Analysis	Wednesday 3-4-2019	
XV	61529	Advanced Methods in Chemical Analysis	Monday 8-4-2019	
<b>Paper No. XVI- Choose any One</b>	61530	Applied Analytical Chemistry	Thursday 11-4-2019	
	61531	Techniques in Forensic Science and Microbiological		
	61537	Computational Chemistry		
	61532	Practical – VII	<b>Internal Exam</b>	
	61533	Practical – VIII		

**INORGANIC CHEMISTRY [ C.B.C.S.]**

**Exam Center :- Kolhapur,Sangli, Vita, Satara,**

Branch Code- INORGANIC CHEMISTRY (C.B.C.S.)			From Oct. 2014	
Part II :- Sem.- III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	60832	Inorganic Chemical Spectroscopy	Monday 1-4-2019	From 3.00PM To 6.00PM
X	60833	Coordination Chemistry-I	Thursday 4-4-2019	
XI	60834	Nuclear Chemistry	Tuesday 9-4-2019	
Paper No.XII- Choose Any One	60835	Environmental Chemsitry	Friday 12-4-2019	
	60836	Organometallic Chemistry		
	60837	Selected Topics in Inorganic Chemistry		
	60838	Practical – V	Internal Exam	
	60839	Practical – VI		

**INORGANIC CHEMISTRY [ C.B.C.S.]**

**Exam Center :- Kolhapur,Sangli, Vita, Satara,**

Branch Code- INORGANIC CHEMISTRY (C.B.C.S.)			From April-2015	
Part II :- Sem. – IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61424	Instrumental Techniques	Saturday 30-3-2019	From 11.00AM  To 2.00PM
XIV	61425	Co-Ordination Chemistry –II	Wednesday 3-4-2019	
XV	61426	Chemistry of Inorganic Materials	Monday 8-4-2019	
Paper No XVI- Choose Any One	61427	Separation Science	Thursday 11-4-2019	
	61534	Radiation Chemistry		
	61535	Applied Bioinorganic Chemistry		
	61428	Practical – VII	Internal Exam	
	61429	Practical – VIII		

## M.Sc. ORGANIC CHEMISTRY [C.B.C.S.]

Exam Center :- Kolhapur, Tasgaon, Urun - Islampur, Sangli, Satara, Wai, Dahiwadi, Karad,

Branch Code- ORGANIC CHEMISTRY (C.B.C.S.)				From Oct. 2014
Part II :- Sem. III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	60840	Organic Reaction Mechanism	Monday 1-4-2019	From 3.00PM To 6.00PM
X	60841	Advanced Spectroscopic Methods	Thursday 4-4-2019	
XI	60842	Advanced Synthetic Methods	Tuesday 9-4-2019	
Paper No.XII- Choose Any	60843	Drugs and Heterocycles	Friday 12-4-2019	
	60844	Heterocyclic		
	60845	Practical – V	Internal Exam	
	60846	Practical – VI		
M.Sc. ORGANIC CHEMISTRY Part II :- Sem IV				
PAPER NO.	PAPER CODE	PAPER	DAY & DATE	PAPER TIME
XIII	61430	Theoretical Organic Chemistry	Saturday 30-3-2019	From 11.00AM  To 2.00PM
XIV	61431	Stereochemistry	Wednesday 3-4-2019	
XV	61432	Chemistry of Natural Products	Monday 8-4-2019	
Paper No.XVI- Choose Any	61433	Applied Organic Chemistry	Thursday 11-4-2019	
	61536	Computational Chemistry		
	64647	Bio-organic Chemistry		
	61434	Practical – VII	Internal Exam	
	61435	Practical – VIII		

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

Branch Code- APPLIED CHEMISTRY (C.B.C.S.) Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61061	Applied Inorganic Chemistry – I	Monday 1-4-2019	From 3.00PM To 6.00PM
X	61062	Applied Organic Chemistry – I	Thursday 4-4-2019	
XI	61063	Applied Physical Chemistry – I	Tuesday 9-4-2019	
XII	61064	Advanced Organic Chemistry – I	Friday 12-4-2019	
	61065	Practical – V	Internal Exam	
	61066	Practical – VI		
Branch Code - M.Sc APPLIED CHEMISTRY (C.B.C.S.)				
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61410	Applied Inorganic Chemistry – II	Saturday 30-3-2019	From 11.00AM  To 2.00PM
XIV	61411	Applied Organic Chemistry – II	Wednesday 3-4-2019	
XV	61412	Advanced Organic Chemistry – II	Monday 8-4-2019	
XVI	61413	Inorganic Chemical Industries	Thursday 11-4-2019	
	61414	Practical – VII	Internal Exam	
	61415	Practical – VIII		



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

Exam Center :- Kolhapur, Ichalkaraji, Kadegaon, Satara

		Branch Code - BOTANY (C.B.C.S.)	From Oct. 2013	
		Part I :- Sem. I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59601/59809	Pre-requisite Course	Thursday 25-4-2019	From 11.00AM To 2.00PM
II	59602/59810	Biology & Diversity of Fungi, Algae and Bryophytes	Saturday 27-4-2019	
III	59603/59811	Plant Ecology	Monday 29-4-2019	
IV	59604/59812	Biology & Diversity of Pteridophytes Gymnosperms & Paleobotany	Thursday 2-5-2019	
	59813	Practical – I	Internal Exam	
	59814	Practical – II		

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

Exam Center :- Kolhapur, Ichalkaraji, Kadegaon, Satara

		Branch Code - BOTANY (C.B.C.S.)	From April-2014	
		Part I :- Sem. II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61363	Cell and Molecular Biology	Friday 26-4-2019	From 3.00 PM To 6.00 PM
VI	61364	Angiosperm Systematics	Tuesday 30-4-2019	
VII	61365	Plant Pathology	Friday 3-5-2019	
VIII	61366	Plant Structure, Development & Reproduction	Monday 6-5-2019	
	61367	Practical – III	Internal Exam	
	61368	Practical – IV		

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

Exam Center :- Kolhapur, Ichalkaraji, Kadegaon, Satara

		Branch Code - BOTANY (C.B.C.S.)	From Oct. 2014	
		Part II., :- Sem – III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	63255	Cytogenetic & Crop Improvement	Friday 26-4-2019	From 11.00AM To 2.00PM
X	63256	Biotechnology and Genetic Engineering	Tuesday 30-4-2019	
PAPER NO.- XI – CHOOSE ANY ONE OF THE FOLLOWING				
XI	63257	Plant Physiology – I	Friday 3-5-2019	From 11.00AM To 2.00PM
	63258	Mycology & Plant Pathology – I		
	63259	Cytogenetics & Plant Breeding – I		
	63260	Energy Ecology & Environment – I		
	63261	Angiosperm Taxonomy -I		
	63262	Marine Botany – I		
	63263	Plant Biotechnology – I		
	63295	Plant Protection-I		
	63296	Plant Diversity – I		
PAPER NO.- XII – CHOOSE ANY ONE OF THE FOLLOWING				
XII	63264	Plant Physiology – II	Monday 6-5-2019	From 11.00AM To 2.00PM
	63265	Mycology & Plant Pathology – II		
	63266	Cytogenetics & Plant Breeding – II		
	63267	Energy Ecology & Environment – II		
	63268	Angiosperms Taxonomy - II		
	63269	Marine Botany – II		
	63270/64680	Plant Biotechnology - II		
	63297	Plant Protection-II		
	63298	Plant Diversity-II		
Elective CBCS Paper	65194	Plant Sciences, Human Progress And Prosperity	Wednesday 8-5-2019	
	63271	PRACTICAL V ( Spe. Pap.I – Cyto and Crop Imp )	Internal Exam	
	63272	PRACTICAL VI ( Spe. Pap.II – Bio. and Gen. Eng. )		

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

Exam Center :- Kolhapur, Ichalkaraji, Kadegaon, Satara

		Branch Code - BOTANY ( C.B.C.S.)		From April-2015
		Part II., :- Sem – IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	63273	Plant Physiology and Metabolism	Thursday 25-4-2019	From 3.00 PM To 6.00 PM
XIV	65121	Biodiversity, conservation and utilization	Saturday 27-4-2019	
PAPER NO.- XV – CHOOSE ANY ONE OF THE FOLLOWING				
XV	63275	Plant Physiology-III	Monday 29-4-2019	From 3.00 PM To 6.00 PM
	63276	Mycology and Plant Pathology-III		
	63277	Cytogenetics and Plant Breeding-III		
	63278	Energy, Ecology and Environment-III		
	63279	Angiosperm Taxonomy-III		
	63280	Marine Botany-III		
	63281	Plant Biotechnology-III		
	63299	Plant Protection-III		
	63300	Plant Diversity –III		
PAPER NO.- XVI – CHOOSE ANY ONE OF THE FOLLOWING				
XVI	63282	Plant Physiology-IV	Thursday 2-5-2019	From 3.00 PM To 6.00 PM
	63283	Mycology and Plant Pathology-IV		
	63284	Cytogenetics and Plant Breeding-IV		
	63285	Energy, Ecology and Environment-IV		
	63286	Angiosperm Taxonomy-IV		
	63287	Marine Botany-IV		
	63288	Plant Biotechnology-IV		
	63301	Plant Protection-IV		
	63302	Plant Diversity-IV		
Elective paper	65195	Plant A Biological Capital	Saturday 4-5-2019	
	63293	PRACTICAL- VII	Internal Exam	
	63294	PRACTICAL- VIII		

## M.Sc. Electronics ( C.B.C.S. )

Exam Center :- Kolhapur, Sangli

		Branch Code - ELECTRONICS (C.B.C.S.)	From Oct. 2013	
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59795	Audio and Video Engineering	Wednesday 10-4-2019	From 11.00AM To 2.00PM
II	59796	Foundation of Microwave Technology	Friday 12-4-2019	
III	59797	Computer Organisation	Monday 15-4-2019	
IV	59798	Foundations of Power electronics	Thursday 18-4-2019	
	59799	Mathematical Techniques – I	Internal Exam	
	59800	Practicals – I		
	59801	Practical s- II		

		Branch Code - ELECTRONICS ( C.B.C.S.)	From April-2014	
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61349	Digital Communication	Wednesday 10-4-2019	From 3.00 PM To 6.00 PM
VI	61350	Advanced Microwave Technology	Friday 12-4-2019	
VII	61351	Advanced Power Electronics	Monday 15-4-2019	
VIII	61352	Optoelectronics	Thursday 18-4-2019	
	61353	Technical Writing	Internal Exam	
	61354	Practicals – III		
	61355	Practicals – IV		

		Branch Code - ELECTRONICS (C.B.C.S.)	From Oct. 2014	
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64135	Control Theory	Thursday 11-4-2019	From 11.00AM To 2.00PM
X	64136	Computer Networks	Tuesday 16-4-2019	
<b>PAPER NO.- XI &amp; XII - CHOOSE ANY TWO OF THE FOLLOWING</b>				
	64137	Microcontroller System Design and ARM Architecture	Saturday 20-4-2019	From 11.00AM To 2.00PM
	64138	Electronic Fuzzy Systems	Thursday 25-4-2019	
	64139	Satellite Communication	Saturday 27-4-2019	
	64140	Industrial Automation	Monday 29-4-2019	
	66447	Signals Systems	Thursday 2-5-2019	
	66448	Instrumentation	Saturday 4-5-2019	
	66449	VHDL Programming	Monday 6-5-2019	
	66450	Mechatronics	Wednesday 8-5-2019	
	64142	Practicals V	Internal Exam	
	64143	Practicals VI		

### M.Sc. Electronics ( C.B.C.S. )

		Branch Code - ELECTRONICS ( C.B.C.S.)		From April-2015
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	64906	Digital Signal Processing	Thursday 11-4-2019	From 3.00 PM To 6.00 PM
XIV	64907	Analog and Digital Circuit Design	Tuesday 16-4-2019	
XV	<b>PAPER NO.- XV - CHOOSE ANY TWO OF THE FOLLOWING</b>			
	64909	ARM Programming and Embedded Communication Protocols	Saturday 20-4-2019	From 3.00 PM To 6.00 PM
	64910	Advanced Microcontroller and RTOS	Thursday 25-4-2019	
	64911	Cellular Mobile Communications	Saturday 27-4-2019	
	64912	Electronic Neural Networks	Monday 29-4-2019	
	64913	Advanced Drives	Thursday 2-5-2019	
	64914	Antennas	Saturday 4-5-2019	
64915	FPGA Based Systems	Monday 6-5-2019		
	64908	Project	Internal Exam	

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

Exam Center :- Kolhapur

<b>Chance UPTO March 2019</b>		Branch Code - INDUSTRIAL CHEMISTRY ( C.B.C.S.)		
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59918	Introduction to Chemical Engg. – I	Monday 1-4-2019	From 11.00AM  To 2.00PM
II	59919	General Chemical Technology – I	Thursday 4-4-2019	
III	59920	Selected Topics in Organic Chemistry	Tuesday 9-4-2019	
IV	59921	Introduction to Environmental Pollution	Friday 12-4-2019	
	59922	Practical – I	Internal Exam	
	59923	Practical – II		

<b>Chance UPTO Oct 2019</b>		INDUSTRIAL CHEMISTRY ( C.B.C.S.)		
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61398	Introduction to Chemical Engineering-II	Friday 29-3-2019	From 11.00AM  To 2.00PM
VI	61399	General Chemical Technology – II	Tuesday 2-4-2019	
VII	61400	Selected Topics in Inorganic Chemistry	Friday 5-4-2019	
VIII	61401	Instrumental Methods of Analysis	Wednesday 10-4-2019	
	61402	Practical – III	Internal Exam	
	61403	Practical – IV		

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

		Branch Code - INDUSTRIAL CHEMISTRY ( C.B.C.S.)		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	60817	Organic Chemical Industries – I	Monday 1-4-2019	From 3.00PM To 6.00PM
X	60818	Inorganic Chemical Industries – I	Thursday 4-4-2019	
XI	60819	Methods of Analysis in Industries	Tuesday 9-4-2019	
XII	60820	Water Pollution	Friday 12-4-2019	
	61198	Practical – V	Internal Exam	
	61199	Practical – VI		
		Branch Code - INDUSTRIAL CHEMISTRY ( C.B.C.S.)		
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61521	Organic Chemical Industries – II	Saturday 30-3-2019	From 11.00AM  To 2.00PM
XIV	61522	Inorganic Chemical Industries – II	Wednesday 3-4-2019	
XV	61523	Selected Topics Industrial Chemistry	Monday 8-4-2019	
XVI	61524	Soil and radioactive Pollution	Thursday 11-4-2019	
	61525	Practical – VII	Internal Exam	
	61526	Practical – VIII		

### M.Sc. Horizontal Mobility ( C.B.C.S.)

Exam Center :- Kolhapur

PAPER NO.		PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
<b>Paper No. I :- Choose Any One Of the Following</b>					
I	59789-Microbiology/Pharmaceutical Microbiology 59777-Biochemistry 59815-Biotechnology 59852-Enviornmental- Biotechnology	* Cell Biology, Microbiology and Virology	Thursday 11-4-2019	From 11.00AM  To 2.00PM	
	64041- Biochemistry,Enviornmental – Biotech, Biotechnology	*Cell Biochemistry			
II	59790-Microbiology/Pharmaceutical Microbiology 59778-Biochemistry 59816--Biotechnology 59853- Enviornmental- Biotechnology	* Protein – Structure & Function	Friday 12-4-2019		
III	59791- Microbiology/Pharmaceutical Microbiology 59779-Biochemistry 59817--Biotechnology 59854- Enviornmental- Biotechnology	* Biomolecules	Monday 15-4-2019		
IV	59792-Microbiology/Pharmaceutical Microbiology 59780-Biochemistry 59818--Biotechnology 59855- Enviornmental- Biotechnology	* Biostatistics and Bioinformatics with Computer Orientation	Tuesday 16-4-2019		
	59781-Biochemistry 59793- Microbiology/ Pharmaceutical Microbiology 59819-biotechnology 59856- Environmental Biotechnology	Laboratory Course - I	Internal Exam		
	59782- Biochemistry 59794- Microbiology/ Pharmaceutical Microbiology 59820- Biotechnology 59857- Environmental Biotechnology	Laboratory Course - II			

**Note :- { \*Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & Microbiology  
Pharmaceutical Microbiology }**

### M.Sc. Horizontal Mobility ( C.B.C.S.)

Exam Center :- Kolhapur

		Branch Code - HORIZONTAL MOBILIGY ( C.B.C.S.) From April-2014		
		Part I :- Sem.-II		
PAPER	PAPER CODE	PAPER	DAY & DATE	PAPER TIME
V	61331- Biochemistry /61369 -Biotechnology /61392 -Environmental Biotechnology 61343 - Microbiology/PharamaceuticalMicrobiology	* Enzymology	Thursday 18-4-2019	From 11.00AM  To 2.00PM
VI	61332 –Biochemistry  61370 -Biotechnology 61393-Environmental Biotechnology /61344- Microbiology/PharamaceuticalMicrobiology	* Molecular Biology	Thursday 25-4-2019	
VII	61333- Biochemistry  61371-Biotechnology 61394-Environmental Biotechnology 61345- Microbiology/PharamaceuticalMicrobiology	* Bioenergetics	Saturday 27-4-2019	
VIII	61334- Biochemistry  61372-Biotechnology 61395-Environmental Biotechnology 61346- Microbiology/PharamaceuticalMicrobiology	*Tools & Techniques in Bioscience	Tuesday 30-4-2019	
	61335 – Biochemistry 61347- Microbiology/ Pharmaceutical Microbiology 61373- Biotechnology 61396- Environmental Biotechnology	Laboratory Course - III		Internal Exam
	61336 – Biochemistry 61348- Microbiology/ Pharmaceutical Microbiology 61374- Biotechnology 61397- Environmental Biotechnology	Laboratory Course - IV		

**Note :- { \* Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & Microbiology Pharmaceutical Microbiology)**



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

Exam Center:- Kolhapur

		Branch Code - BIOCHEMISTRY (C.B.C.S.)	From Oct. 2014	
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64159-Biochemistry 64179-Biotechnology 63243-Microbiology 64185-Environmental Biotechnolgy 69583-pharmaceutical Microbiology	* Genetic Engineering	Thursday 11-4-2019	From 3.00PM To 6.00PM
X	64160	Biomembrances & Cytoskeleton	Friday 12-4-2019	
XI	<b>Paper No.XI- Choose Any One of the Following</b>		Monday 15-4-2019	
	64181-Biotechnology 64161-Biochemistry 64188-Environmental Biotechnolgy 63244-Microbiology	# Fermentation Technology – I		
	64649	Clinical Biochemistry – I		
	64650	Biochemical and Environmental Toxicology – I		
XII	<b>Paper No. XII - Choose Any One of the Following</b>		Tuesday 16-4-2019	
	64162-Biochemistry 64654- Microbiology 64652 Biotechnology 64186-Environmental Biotechnolgy	\$ Immunochemistry		
	64651-Biochemistry 64180-Biotechnology 64653 Environmental Biotechnolgy 63246-Microbiology 69586- pharmaceuticalMicrobiology	** Immunology		
	64163	Laboratory Course V	Internal Exam	
	64164	Laboratory Course VI		

**Note :-** \* Common paper with Biotechnology, Envi-Biotechnology & Microbiology, pharmaceutical Microbiology  
 \$ Common paper with Envi- Biotechnology  
 \*\* Common Paper with Microbiology, Biotechnology & Envi- Biotechnology. pharmaceutical Microbiology  
 # Common paper with Biotechnology, Envi-Biotechnology & Microbiology,

		Branch Code - BIOCHEMISTRY (C.B.C.S.)	From April-2015	
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	71009	Research Methodology, Enterpreneurship Development & Tissue Culture (New From April 2018)	Saturday 20-4-2019	From 11.00AM  To 2.00PM
XIV	71118	Neurochemistry and Carcinogenesis(New From April 2018)	Friday 26-4-2019	
XV	63251-Microbiology 65088-Biochemistry 65197-Biotechnology	*Bioinformatics	Monday 29-4-2019	
XVI	<b>Paper No. XVI - Choose Any One of the Following</b>		Thursday 2-5-2019	
	65087	Medical and Environmental Biochemistry		
	65089-Biochemistry 65131EnvironmentalBiotechnolgy	\$ Fermentation Technology – II		
	65090	Clinical Biochemistry – II		
	65091	Biochemical and Environmental Toxicology		
	65092	Laboratory Course -VII	Internal Exam	
	65093	Laboratory Course- VIII		

**Note** \* common paper with Microbiology & Biotechnology  
 \$ Common Paper with Biotechnology & Envi- Biotechnology

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

Exam Center :- Kolhapur

		Branch Code - BIOTECHNOLOGY (C.B.C.S.) From Oct. 2014		
		Part II :- Sem.-III		
PAPER	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64179-Biotechnology 64159-Biochemistry 63243-Microbiology 64185-Enviromental Biotechnology 69583-pharmaceutical Microbiology	* Genetic Engineering	Thursday 11-4-2019	From 3.00PM To 6.00PM
X	64182	Plant Biotechnology	Friday 12-4-2019	
XI	64181-Biotechnology 64188- EnviromentalBiotechnology 64161- Biochemistry 63244- Microbiology	# Fermentation Technology – I	Monday 15-4-2019	
XII	<b>Choose Any One of the Following</b>			
	64180- Biotechnology 64651- Biochemistry 64653- EnviromentalBiotechnology 63246- Microbiology 69586-Pharmaceutical Microbiology	**Immunology	Tuesday 16-4-2019	
	64652 Biotechnology 64654- Microbiology 64162-Biochemistry 64186-Environmental Biotechnology	\$ Immunochemistry		
	64183	Laboratory Course V	Internal Exam	
	64184	Laboratory Course VI		

**Note :- \* Common Paper with Biochemistry, Envi-Biotechnology & Microbiology, Pharmaceutical Microbiology**

**\*\* Common Paper with Microbiology & Envi- Biotechnology, Pharmaceutical Microbiology**

**\$ Common paper with Envi- Biotechnology**

**# Common paper with Biotechnology, Envi-Biotechnology & Microbiology**

		Branch Code - BIOTECHNOLOGY ( C.B.C.S.) From April-2015			
		Part II :- Sem.-IV			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
XIII	65769	Animal Tissue Culture (Revised)	Saturday 20-4-2019	From 11.00AM  To 2.00PM	
XIV	65080	** Advances in Genomics and Proteomics	Saturday 4-5-2019		
XV	65081	Advances in Plant Biotechnology	Friday 26-4-2019		
<b>Choose Any One of the Following</b>					
XVI	65082	Industrial Organization and Management	Friday 3-5-2019		
New( From March2016	65773	Nanobiotechnology			
XIV	65088- Biochemistry 63251- Microbiology 65197- Biotechnology 69590- Pharmaceutical Microbiology	* Bioinformatics	Monday 29-4-2019		
	65089- Biochemistry 65131 Enviromental Biotechnology	\$ Fermentation Technology II	Thursday 2-5-2019		
	65083	Laboratory Course VII	Internal Exam		
	65084	Laboratory Course VIII (Project Work)			

**Note \* Common Paper with Biochemistry & Microbiology**

**\$ Common Paper with Biochemistry & Envi- Biotechnology**

**\*\* Common paper with Envi-Biotechnology**

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

Exam Center :- KOLHAPUR

		Branch Code - ENV. BIOTECHNOLOGY ( C.B.C.S. ) From Oct. 2014		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64185- Environmental Biotechnology 64159-Biochemistry 64179-Biotechnology 63243-Microbiology 69583-pharmaceutical Microbiology	* Genetic Engineering	Thursday 11-4-2019	From 3.00PM To 6.00PM
X	64187	Basics of Ecology, Ecotoxicology and Ecochemistry	Friday 12-4-2019	
XI	64188- Environmental Biotechnology 64161- Biochemistry 64181-Biotechnology 63244-Microbiology	# Fermentation Technology – I	Monday 15-4-2019	
XII	<b>Choose Any One of the Following</b>			
	64186-Environmental Biotechnology 64654-Microbiology 64162-Biochemistry 64652-Biotechnology	\$ Immunochemistry	Tuesday 16-4-2019	
	64653-Environmental Biotechnology 64180-Biotechnology 63246-Microbiology 64651-Biochemistry 69586-Pharmaceutical Microbiology	** Immunology		
	64189	Laboratory Course V	Internal Exam	
	64190	Laboratory Course VI		

**Note :- \* Common Paper with Biochemistry, Microbiology & Biotechnology Pharmaceutical Microbiology**

**\$ Common Paper with Biochemistry, Biotechnology**

**\*\* Common Paper with Microbiology & Biotechnology Pharmaceutical Microbiology**

**# Common Paper with Biochemistry, Microbiology, & Biotechnology**

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

		Branch Code - ENV. BIOTECHNOLOGY ( C.B.C.S. ) From April-2015		
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65128	Environmental Pollution and Control	Saturday 20-4-2019	From 11.00AM To 2.00PM
XIV	65129	Environmental Biotechnology	Friday 26-4-2019	
XV	65130	Biodiversity, IPR Biosafety & Bioethics	Monday 29-4-2019	
XVI	65131-Environmental Biotechnology 65089-Biochemistry	\$ Fermentation Technology – II	Thursday 2-5-2019	
	65080	** Advances in Genomics & Proteomics	Saturday 4-5-2019	
	65132	Laboratory Course- VII	Internal Exam	
	65133	Laboratory Course- VIII		

**Note :- \$ Common Paper with Biochemistry & Biotechnology**

**\*\* Common Paper with Biotechnology**

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

Center:- KOLHAPUR

		Branch Code - MICROBIOLOGY (C.B.C.S.)		From Oct. 2014
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	63243-Microbiology 64159-Biochemistry 64179-Biotechnology 64185-Environmental Biotechnology 69583-Pharmaceutical Microbiology	*Genetic Engineering	Thursday 11-4-2019	From 3.00PM To 6.00PM
X	63245-Microbiology 69585-Pharmaceutical Microbiology	# # Microbial Diversity & Extremophiles	Friday 12-4-2019	
XI	63244-Microbiology 64181-Biotechnology 64161-Biochemistry 64188- Environmental Biotechnology	# Fermentation Technology - I	Monday 15-4-2019	
XII	Choose Any One of the Following			
	64654-Microbiology 64186- Environmental Biotechnology 64162-Biochemistry	\$ Immunochemistry	Tuesday 16-4-2019	
	63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry 69586- Pharmaceutical Microbiology	** Immunology		
	63247	Laboratory Course - V	Internal Exam	
	63248	Laboratory Course - VI	Internal Exam	

**Note :-** \* Common Paper with Biotechnology, Env-Biotechnology & Biochemistry, Pharmaceutical Microbiology  
 \$ Common Paper with Biochemistry & Env- Biotechnology  
 \*\* Common Paper with Biochemistry, Env- Biotechnology & Biotechnology Pharmaceutical Microbiology  
 # # common paper with Pharmaceutical Microbiology  
 # Common paper with Env-Biotech, Biochemistry, & Biotechnology

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

Center:- KOLHAPUR

		Branch Code - MICROBIOLOGY (C.B.C.S. )		From April-2015
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	63249	Food and Dairy Microbiology	Saturday 20-4-2019	From 11.00AM To 2.00PM
XIV	65088-Biochemistry 63251-Microbiology 65197-Biotechnology 69590- Pharmaceutical Microbiology	*Bioinformatics	Monday 29-4-2019	
XV	63250	Microbial Fermentation Technology	Friday 26-4-2019	
XVI	63252-Microbiology 69592-Pharmaceutical Microbiology	# Medical Microbiology	Thursday 2-5-2019	
	63253	Laboratory Course VII	Internal Exam	
	63254	Laboratory Course VIII	Internal Exam	

**Note** \* common paper with biochemistry & Microbiology, Biotechnology Pharmaceutical Microbiology  
 # common paper with Pharmaceutical Microbiology

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

Center :- KOLHAPUR

		Branch Code- PHARMACEUTICAL MICROBIOLOGY (C.B.C.S.)From Oct. 2017		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	69583-Pharmaceutical Microbiology 63243-Microbiology 64159-Biochemistry 64179-Biotechnology 64185-Enviornmental Biotechnology	*Genetic Engineering	Thursday 11-4-2019	From 3.00PM To 6.00PM
XI	69585-Pharmaceutical Microbiology 63245-Microbiology	# # Microbial Diversity and Extremophiles	Friday 12-4-2019	
X	69584	Pharmaceutical Microbiology	Monday 15-4-2019	
XII	69586- Pharmaceutical Microbiology 63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry	** Immunology	Tuesday 16-4-2019	
	69587	Laboratory Course - V	Internal Exam	
	69588	Laboratory Course - VI		

**Note :- \* Common Paper with Biotechnology, Env-Biotechnology, Biochemistry & Microbiology**

**\*\* Common Paper with Biochemistry, Env- Biotechnology, Biotechnology & Microbiology**

**## common paper with Microbiology**

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

Center :- KOLHAPUR

		Branch Code- PHARMACEUTICAL MICROBIOLOGY (C.B.C.S.)From March 2018		
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
	69589	Fermentation Technology and Process Designing	Saturday 20-4-2019	From 11.00AM  To 2.00PM
	69591	Quality Management and IPR	Friday 26-4-2019	
	69590-PharmaceuticalMicrobiology 65088-Biochemistry 63251-Microbiology 65197-Biotechnology	*Bioinformatics	Monday 29-4-2019	
	69592- Pharmaceutical Microbiology 63252-Microbiology	# Medical Microbiology	Thursday 2-5-2019	
	69593	Laboratory Course - VII	Internal Exam	
	69594	Laboratory Course - VIII		

**Note :- \* Common Paper with Biotechnology, Env-Biotechnology, Biochemistry & Microbiology**

**# common paper with Microbiology**

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

Exam Center :- Kolhapur, Arjunnagar

Chance Upto March 2019		Branch Code - AGRO CHEMICAL & PEST MANAGEMNT ( C.B.C.S.) Chance Upto March 2019		
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59764	*Chemistry of Pesticides and their Formulations - I	Thursday 4-4-2019	From 3.00PM To 6.00PM
II	59765	*Soil Science Fertilizers and Micronutrients	Monday 8-4-2019	
III	59766	*Introductory and Industrial Entomology	Wednesday 10-4-2019	
IV	59767	*Crop Diseases and Weeds	Friday 12-4-2019	
	59768	*Practical I	Internal Exam	
	59769	*Practical II		

**Note - \* This Indicates Paper for repaeter students only.**

Exam Center :- Kolhapur, Arjunnagar

From Oct 2018 (Revised)		Branch Code - AGRO CHEMICAL & PEST MANAGEMNT ( C.B.C.S.) From Oct 2018 (Revised)		
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71531	#Chemistry of Pesticides and their Formulations - I	Thursday 4-4-2019	From 3.00PM To 6.00PM
II	71532	#Soil Science Fertilizers	Monday 8-4-2019	
III	71533	#Introductory and Industrial Entomology	Wednesday 10-4-2019	
IV	71534	#Basic Concepts In Plant Pathology	Friday 12-4-2019	
	71535	#Practical I	Internal Exam	
	71536	#Practical II		

**Note - # This Indicates Paper for Fresh students only.**

Exam Center :- Kolhapur, Arjunnagar

From March 2019 (Revised)		Branch Code - AGRO CHEMICAL & PEST MANAGEMNT ( C.B.C.S.) From March 2019 (Revised)		
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	73000	#Chemistry of Pesticides and their Formulations - II	Thursday 4-4-2019	From 11.00AM To 2.00PM
VI	73001	#Analytical Techniques For Agrochemicals	Monday 8-4-2019	
VII	73002	# Economic Entomology	Wednesday 10-4-2019	
VIII	73003	#Biotechnology Aspects In Plant Protection	Friday 12-4-2019	
	73004	#Practical III	Internal Exam	
	73005	#Practical IV		

**Note - # This Indicates Paper for Fresh students only**

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

<b>Chance Upto Oct 2019</b>		Branch Code - AGROCHEMICAL & PEST MANAGEMNT (C.B.C.S.) From April-2014		
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61319	*Chemistry of Pesticides and their Formulations - II	Thursday 4-4-2019	From 11.00AM  To 2.00PM
VI	61320	*Analytical Techniques for Agrochemicals	Monday 8-4-2019	
VII	61321	*Economic Entomology	Wednesday 10-4-2019	
VIII	61322	*Biotechnological Aspects of Plant Protection	Friday 12-4-2019	
	61323	*Practical-III	Internal Exam	
	61324	*Practical-VI		

**Note - \* This Indicates Paper for repaeater students only**

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

		BranchCode - AGROCHEMICAL & PEST MANAGEMNT (C.B.C.S.) From Oct. 2014		
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64176	Pesticide Residues And Toxicology	Friday 05-4-2019	From 3.00PM  To 6.00PM
X	64173	Pests of Crops Plants & Their Control – I	Tuesday 09-4-2019	
XI	64174	Analysis of Agrochemicals	Thursday 11-4-2019	
XII	64175	Diseases of Crop Plants – I	Monday 15-4-2019	
	64177	Practical V : ( Chemistry – Based On Papers IX & XI )	Internal Exam	
	64178	Practical VI : ( Chemistry – Based On Papers X & XII )		

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

		Branch Code - AGROCHEMICAL & PEST MANAGEMNT (C.B.C.S.) From April-2015		
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65025	Agro-based Marketing Management	Friday 05-4-2019	From 11.00AM  To 2.00PM
XIV	65026	Pests Of Crop Plants And Their Control-II	Tuesday 09-4-2019	
XV	65027	Manufacture Of Agrochemicals	Thursday 11-4-2019	
XVI	65028	Diseases Of Crop Plants and Their Control -II	Monday 15-4-2019	
	65029	Practical VII –Chemistry	Internal Exam	
	65030	Practical VIII-Life Science		

**M.Sc. MICROBIOLOGY [C.B.C.S.- R]**

Exam Center :- Karad

		Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.-R]	From Oct. 2013	
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59658	Morphology, Cytology & Taxonomy of Microorganism	Thursday 11-4-2019	From 11.00AM  To 2.00PM
II	59659	Virology	Friday 12-4-2019	
III	59660	Genetics & Molecular Biology	Monday 15-4-2019	
IV	59661	Immunology	Tuesday 16-4-2019	
	59662	Practical I	Internal Exam	
	59663	Practical II		

**M.Sc. MICROBIOLOGY [C.B.C.S.- R]**

		Branch Code - MICROBIOLOGY (Regu.) [C.B.C.S.-R]	From April-2014	
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61404	Technique in Microbiology	Thursday 18-4-2019	From 3.00PM  To 6.00PM
VI	61405	Microbial Physiology Biochemistry & Metabolism	Saturday 20-4-2019	
VII	61406	Medical Microbiology	Thursday 25-4-2019	
VIII	61407	Microbial Ecology	Saturday 27-4-2019	
	61408	Practical III	Internal Exam	
	61409	Practical IV		

**M.Sc. MICROBIOLOGY [C.B.C.S.- R]**

		Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]	From Oct. 2014	
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE		DAY & DATE	PAPER TIME
IX	64203	Biostatistics, Bioinformatics & Scientific Writing	Thursday 11-4-2019	From 3.00PM  To 6.00PM
X	64204	Enzymology & Enzyme Technology	Friday 12-4-2019	
XI	64205	Microbial Technology	Monday 15-4-2019	
XII	64206	Microbial Diversity & Extremophiles	Tuesday 16-4-2019	
	64207	Practical – V	Internal Exam	
	64208	Practical –VI		

**M.Sc. MICROBIOLOGY [C.B.C.S.- R]**

		Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]	From April-2015	
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE		DAY & DATE	PAPER TIME
XIII	65094	Food and Dairy Microbiology	Saturday 20-4-2019	From 11.00AM  To 2.00PM
XIV	65095	Fermentation Technology	Thursday 25-4-2019	
XV	65096	Industrial waste management	Saturday 27-4-2019	
XVI	65097	Recombinant DNA Technology	Monday 29-4-2019	
	65098	Practical Course – VII	Internal Exam	
	65099	Practical Course – VIII		



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

Exam Center :- Satara

		Branch Code - APPLIED MICROBIOLOGY (C.B.C.S.)	From Oct. 2013
		Part I :- Sem.-I	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE
I	60805	Anatomy, Cytology & Taxonomy of Microorganisms	Thursday 11-4-2019
II	60806	Virology	Friday 12-4-2019
III	60807	Biomolecules & Bioenergetics	Monday 15-4-2019
IV	60808	Genetics	Tuesday 16-4-2019
	60809	Practical I	Internal Exam
	60810	Practical II	

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

		Branch Code - APPLIED MICROBIOLOGY (C.B.C.S.)	From April-2014
		Part I :- Sem.-II	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE
V	61544	Bio – Instrumentation	Thursday 18-4-2019
VI	61545	Molecular Biology	Saturday 20-4-2019
VII	61546	Microbial Biochemistry	Thursday 25-4-2019
VIII	61547	Immunology	Saturday 27-4-2019
	61548	Practical III	Internal Exam
	61549	Practical IV	

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

		Branch Code - APPLIED MICROBIOLOGY (C.B.C.S.)	From Oct. 2014
		Part II :- Sem.-III	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE
IX	64197	Microbial Ecology & Extremophiles	Thursday 11-4-2019
X	64198	Biostatistics, Bioinformatics and Scientific Writing	Friday 12-4-2019
XI	64199	Gene Manipulation and Tissue Culture Technology	Monday 15-4-2019
XII	<b>Paper No. XII :- Choose Any One Of The Following Paper</b>		
	64200	Medical and Pharmaceutical Microbiology	Tuesday 16-4-2019
	64828	Mycology	
	64201	Practical V :- ( Ecology & Extremophiles & Biostat, Scientific Writing )	Internal Exam
	64202	Practical VI :- ( Immunology & Genetic Engineering )	

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

		Branch Code - APPLIED MICROBIOLOGY (C.B.C.S.)	From April- 2015
		Part II :- Sem.-IV	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE
XIII	65013	Industrial Microbiology	Saturday 20-4-2019
XIV	65014	Bioprocesses	Thursday 25-4-2019
XV	65106	Food and Agricultural Technology	Saturday 27-4-2019
XVI	<b>Paper No. XVI :- Choose Any One Of The Following Paper</b>		
	65015	Industrial Waste Management and Microbial Bioremediation	Monday 29-4-2019
	65016	Quality Management System In Industry	
	65017	Practical Course - VII	Internal Exam
	65018	Practical Course – VIII (Project work)	

## M.Sc. GEOLOGY

Exam Center:- Kolhapur

Chance UPTO Marach 2019		Branch Code -GEOLOGY		From Oct. 2013
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59619	*Mineralogy, Optics & Crystallography	Monday 8-4-2019	From 11.00AM To 2.00PM
II	59620	*Igneous Petrology	Wednesday 10-4-2019	
III	59621	*Metamorphic Petrology	Friday 12-4-2019	
IV	59622	*Sedimentary Petrology	Monday 15-4-2019	
	59623	* Practical I	Internal Exam	
	59624	Practical II		

**Note - \* This Indicates Paper for repaeter students only.**

From Oct 2018 (Revised).		Branch Code -GEOLOGY		From Oct 2018 (Revised)
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71676	#Mineralogy, Optics & Crystallography	Monday 8-4-2019	From 11.00AM To 2.00PM
II	71677	#Igneous Petrology	Wednesday 10-4-2019	
III	71678	#Metamorphic Petrology	Friday 12-4-2019	
IV	71679	#Sedimentary Petrology	Monday 15-4-2019	
	71680	#Practical I	Internal Exam	
	71681	#Practical II		

**Note - # This Indicates Paper for Fresh students only.**

From March 2019 (Revised)		Branch Code -GEOLOGY		From March 2019 (Revised)
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	72987	# Structural geology & Geotectonic	Monday 8-4-2019	From 3.00PM To 6.00PM
VI	72988	# Stratigraphy and Paleontology	Wednesday 10-4-2019	
VII	72989	# Economic Geology	Friday 12-4-2019	
VIII	72990	# Remote Sensing and Geomorphology	Monday 15-4-2019	
	72991	# Practical III	Internal Exam	
	72992	# Practical IV		

**Note - # This Indicates Paper for Fresh students only.****Note - \* This Indicates Paper for repaeter students only.**

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Chance Upto Oct 2019		Branch Code -GEOLOGY		From April 2014
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61550	*Structural geology & Geotectonic	Monday 8-4-2019	From 3.00PM To 6.00PM
VI	61551	*Stratigraphy and Paleontology	Wednesday 10-4-2019	
VII	61552	*Economic Geology	Friday 12-4-2019	
VIII	61553	*Remote Sensing and Geomorphology	Monday 15-4-2019	
	61554	*Practical III	Internal Exam	
	61555	*Practical IV		

Branch Code -GEOLOGY From Oct.2014				
Part II:- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	63201	Hydrogeology	Tuesday 9-4-2019	From 11.00AM To 2.00PM
X	63202	Geophysics and Exploration Methods	Thursday 11-4-2019	
XI	63203	Geochemistry	Tuesday 16-4-2019	
XII	Paper No. XII :- Choose Any One of the Following		Thursday 18-4-2019	
	63204	Gemmology & Industrial Mineralogy		
	63205	Mining Geology		
	63206	Marine Geology		
	63207	Geoinformatics		
	63208	Practical V	Internal Exam	
	63209	Practical VI		
Branch Code - GEOLOGY From April-2015				
Part II:- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	63210	Engineering Geology and Geotechniques	Tuesday 9-4-2019	From 3.00PM To 6.00PM
XIV	63211	Natural Resource Management	Thursday 11-4-2019	
XV	63212	Environmental Geology	Tuesday 16-4-2019	
XVI	63213	Dissertation / Institutional Training	Internal Exam	
	63214	Practical-VII Based on Paper-XIII		
	63215	Practical-VIII Based on Paper-XIV		

- N. B.
- Candidates are instructed to be present at their respective places of Examination 15 MINUTES before the time scheduled for the starting of the First Paper.
  - The Practical examination will be held after written examination. The Information regarding place, date and time of the Practical examination will be notified in the practical programme of the subject. Those who fail to present themselves at the practical examination on the scheduled date and time will not be examined in practical. The practical programme will be displayed on the **Notice Board** of the Department/College.
  - The Examination Programme is subject to change. The candidates are advised to check the Final Examination programme. If there is any change in the examination programme the university is not responsible for the loss or inconvenience caused to the candidates.
  - Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
  - Examinee should confirm the customized time table printed on his/her hall ticket with the Final Programme of examination sent to his/her Department/College.
  - The Written Examination will be conducted in the above order.
  - In Case of any Query found in respective Question paper ,student shall communicate the same through Principal/Senior Supervisor within 7 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 :- 22-3-2019

Shri.M.A.Kakade  
Director  
Board of Examination And Evaluation