



**Final Programme  
For M. Sc. (CBCS)  
Oct /Nov 2018 Exam**

**SHIVAJI UNIVERSITY, KOLHAPUR.  
Circular No.425 Exam. Oct /Nov 2018 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 Oct /Nov 2018 Exam

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

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 Bhadrur 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	Wednesday 5-12-2018	From 10.30 Am To 1.30 PM
II	59845	Ecology & Environmental Pollution	Friday 7-12-2018	
III	59846	Cell & Molecular Biology	Monday 10-12-2018	
IV	59847	Applied Entomology	Wednesday 12-12-2018	
	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	Thursday 6-12-2018	Form 2.30 PM To 5.30 PM
VI	61387	Quantitative Biology & Tools and Techniques in Biology	Saturday 8-12-2018	
VII	61388	Elements of Physiology	Tuesday 11-12-2018	
VIII	61389	Biology of Parasites	Thursday 13-12-2018	
	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	Thursday 6-12-2018	From 10.30 a.m To 1.30 p.M
X	64146	Enzymology	Saturday 8-12-2018	
<b>PAPER NO. XI – CHOOSE ANY ONE OF THE FOLLOWING</b>				
PAPER NO. XI	64149	Computational Molecular Biology	Tuesday 11-12-2018	From 10.30 a.m To 1.30 p.m.
	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 13-12-2018	From 10.30 a.m To 1.30 p.m
	64154	Applied Physiology		
	64155	Agricultural Entomology		
	64156	Fish Pathology & Reproductive Endocrinology		
	64158	Silkworm Biology & Rearing Technology		
CBCS Elective Paper From	65761	Applied Zoology	Friday 14-12-2018	
	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	Wednesday 5-12-2018	From 2.30 P.M To 5.30 PM
XIV	65109	Toxicology and Immunology	Friday 7-12-2018	
<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 10-12-2018	Form 2.30 P.M  To 5.30PM
	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	Wednesday 12-12-2018	From 2.30 PM To 5.30 PM
	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	Saturday 15-12-2018	
	65110	Practical VII-Practicalbase don XIIIand XIV	Internal Exam	
	65111	Practical VIII- Practical based on XV and XVI		

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

Branch Code-COMPUTERSCIENCE (C.B.C.S.)			om October, 2013	
Part I :- Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59752	Theory of Languages	Monday 26-11-2018	From 2.30 PM To 5.30 PM
II	59753	Advanced Computer Networks	Wednesday 28-11-2018	
III	59754	Advanced Database Theory	Friday 30-11-2018	
IV	59755	Design & Analysis of Algorithms	Monday 3-12-2018	
V (CBCS)	60850	Web Designing	Wednesday 5-12-2018	
	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	Monday 26-11-2018	From 10.30 Am To 1.30 PM
VII	61308	Artificial Intelligence	Wednesday 28-11-2018	
VIII	61309	Java Programming	Friday 30-11-2018	
IX (CBCS)	61507	Software Engineering	Monday 3-12-2018	
	71119	Android Fundamentals Development (From April 2018 Exam)		
<b>PAPER NO. X – Choose <u>Any One</u> Of The Following</b>				
X	61310	Data Ware House	Wednesday 5-12-2018	
	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	Tuesday 27-11-2018	From 2.30 PM To 5.30 PM
XII	63732	Computer Graphics	Thursday 29-11-2018	
XIII	<b>Paper NoXIII.- Choose <u>Any one</u> of the following</b>			
	63733	Cloud computing	Saturday 1-12-2018	
	63734	Distributed O.S.		
	63735	Data Mining		
63736	Open Source Software's			
XIV	63737	Software Project Management (CBCS)	Tuesday 4-12-2018	
	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	Tuesday 23.10.2018	From 10.30 Am To 1.30 PM	
II	59822-AppliedChemistry(SUK) 59804-Chemistry	\$ Organic Chemistry – I	Friday 26-10-2018		
III	59823-AppliedChemistry(SUK) 59805-Chemistry	\$ Physical Chemistry – I	Tuesday 30-10-2018		
IV	59824-AppliedChemistry(SUK) 59806-Chemistry	\$ Analytical Chemistry – I	Friday 2-11-2018		
	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	Tuesday 23-10-2018	From 10.30 Am To 1.30 PM
II	71512	* Organic Chemistry – I	Friday 26-10-2018	
III	71513	* Physical Chemistry – I	Tuesday 30-10-2018	
IV	71514	* Analytical Chemistry – I	Friday 2-11-2018	
	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, Jaysingpur, Tasgaon, Islampur, Sangli, Vita, Satara, Wai, Dahiwadi, Patan, Karad,

Branch Code- CHEMISTRY (C.B.C.S.)				
Part I :- Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61375-AppliedChemistry(SUK) 61357- Chemistry	# Inorganic Chemistry – II	Thursday 25-10-2018	From 2.30 P.M To 5.30 P.M
VI	61376- AppliedChemistry(SUK) 61358- Chemistry	# Organic Chemistry – II	Monday 29-10-2018	
VII	61377- AppliedChemistry(SUK) 61359- Chemistry	#Physical Chemistry – II	Thursday 1-11-2018	
VIII	61378-AppliedChemistry(SUK) 61360 Chemistry	# Analytical Chemistry – II	Saturday 3-11-2018	
	61379-AppliedChemistry(SUK) 61361- Chemistry	#Practical - III		
	61380- AppliedChemistry(SUK) 61362- Chemistry	#Practical - IV		Internal Exam

**Note - \* This Indicates Sem II Common paper to all Branch of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry.**

## 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	Wednesday 24-10-2018	From 10.30 A.m To 1.30 P.M	
X	61068	Electrochemistry	Saturday 27-10-2018		
XI	61069	Molecular Structure – I	Wednesday 31-10-2018		
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>					
Paper No.XII	61070	Solid State Chemistry	Saturday 3-11-2018		
	61071	Advanced Chemical Kinetics			
	61072	Radiation & Photochemistry			
	61073	Practical – V			
	61074	Practical – VI			

Branch Code- PHYSICAL CHEMISTRY (C.B.C.S.)				
Part II :- Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61416	Thermodynamics and Molecular Modeling	Tuesday 23-10-2018	From 2.30 P.M To 5.30 P.M
XIV	61417	Chemical Kinetics	Friday 26-10-2018	
XV	61418	Molecular Structure II	Tuesday 30-10-2018	
<b>PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
	61419	Surface Chemistry	Friday 2-11-2018	
	61421	Chemistry of Materials		
	61422	Biophysical Chemistry		
	61420	Practical – VII		
	61423	Practical – VIII		
			Internal Exam	

## 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	Wednesday 24-10-2018	From 10.30 Am To 1.30 PM
X	61049	Organo Analytical Chemistry	Saturday 27-10-2018	
XI	61050	Electro-Analytical Techniques in chemical Analysis	Wednesday 31-10-2018	
Paper No.XII- Choose Any	61051	Environmental chemical Analysis & Control	Saturday 3-11-2018	
	61052	Recent Advance in Analytical		
	64629	Chemical Analysis in Agro, Food and Pharmaceutical Industries		
	61053	Practical - V		
	61054	Practical - VI	Internal Exam	

## 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	Tuesday 23-10-2018	Form 2.30 PM To 5.30 PM
XIV	61528	Organic Industrial Analysis	Friday 26-10-2018	
XV	61529	Advanced Methods in Chemical Analysis	Tuesday 30-10-2018	
Paper No. XVI- Choose any One	61530	Applied Analytical Chemistry	Friday 2-11-2018	
	61531	Techniques in Forensic Science and Microbiological		
	61537	Computational Chemistry		
	61532	Practical – VII	Internal Exam	
	61533	Practical – VIII		

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

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

<b>Branch Code- INORGANIC CHEMISTRY (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	60832	Inorganic Chemical Spectroscopy	Wednesday 24-10-2018	From 10.30 A.m To 1.30 P.M
X	60833	Coordination Chemistry-I	Saturday 27-10-2018	
XI	60834	Nuclear Chemistry	Wednesday 31-10-2018	
Paper No.XII- Choose Any One	60835	Environmental Chemsitry	Saturday 3-11-2018	
	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	Tuesday 23-10-2018	Form 2.30 PM To 5.30 PM
XIV	61425	Co-Ordination Chemistry –II	Friday 26-10-2018	
XV	61426	Chemistry of Inorganic Materials	Tuesday 30-10-2018	
Paper No XVI- Choose Any One	61427	Separation Science	Friday 2-11-2018	
	61534	Radiation Chemistry		
	61535	Applied Bioinorganic Chemistry		
	61428	Practical – VII	Internal Exam	
	61429	Practical – VIII		

## 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	Wednesday 24-10-2018	From 10.30 Am To 1.30 PM
X	60841	Advanced Spectroscopic Methods	Saturday 27-10-2018	
XI	60842	Advanced Synthetic Methods	Wednesday 31-10-2018	
Paper No.XII- Choose Any	60843	Drugs and Heterocycles	Saturday 3-11-2018	
	60844	Heterocyclic		
	60845	Practical – V	Internal Exam	
	60846	Practical – VI		
Part II :- Sem IV				
PAPER NO.	PAPER CODE	PAPER	DAY & DATE	PAPER TIME
XIII	61430	Theoretical Organic Chemistry	Tuesday 23-10-2018	Form 2.30 P.M To 5.30 P.M
XIV	61431	Stereochemistry	Friday 26-10-2018	
XV	61432	Chemistry of Natural Products	Tuesday 30-10-2018	
Paper No.XVI- Choose Any	61433	Applied Organic Chemistry	Friday 2-11-2018	
	61536	Computational Chemistry		
	64647	Bio-organic Chemistry		
	61434	Practical – VII	Internal Exam	
	61435	Practical – VIII		

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

<b>Branch Code - APPLIED CHEMISTRY ( C.B.C.S.) Part II :- Sem.-III</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61061	Applied Inorganic Chemistry – I	Wednesday 24-10-2018	From 10.30 Am To 1.30 PM
X	61062	Applied Organic Chemistry – I	Saturday 27-10-2018	
XI	61063	Applied Physical Chemistry – I	Wednesday 31-10-2018	
XII	61064	Advanced Organic Chemistry–I	Saturday 3-11-2018	
	61065	Practical – V	Internal Exam	
	61066	Practical – VI		

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

<b>Branch Code - APPLIED CHEMISTRY ( C.B.C.S.) Part II :- Sem.-IV</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61410	Applied Inorganic Chemistry – II	Tuesday 23-10-2018	Form 2.30 PM To 5.30 PM
XIV	61411	Applied Organic Chemistry – II	Friday 26-10-2018	
XV	61412	Advanced Organic Chemistry – II	Tuesday 30-10-2018	
XVI	61413	Inorganic Chemical Industries	Friday 2-11-2018	
	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	Tuesday 23-10-2018	From 10.30 Am To 1.30 PM
II	59602/59810	Biology & Diversity of Fungi, Algae and Bryophytes	Thursday 25-10-2018	
III	59603/59811	Plant Ecology	Saturday 27-10-2018	
IV	59604/59812	Biology & Diversity of Pteridophytes Gymnosperms & Paleobotany	Monday 29-10-2018	
	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	Tuesday 23-10-2018	Form 2.30 PM To 5.30 PM
VI	61364	Angiosperm Systematics	Thursday 25-10-2018	
VII	61365	Plant Pathology	Saturday 27-10-2018	
VIII	61366	Plant Structure, Development & Reproduction	Tuesday 30-10-2018	
	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	Wednesday 24-10-2018	From 10.30 Am To 1.30 PM
X	63256	Biotechnology and Genetic Engineering	Friday 26-10-2018	
PAPER NO.- XI – CHOOSE ANY ONE OF THE FOLLOWING				
XI	63257	Plant Physiology – I	Monday 29-10-2018	From 10.30 Am To 1.30 PM
	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	Wednesday 31-10-2018	From 10.30 Am To 1.30 PM
	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	Thursday 1-11-2018	From 10.30Am To 1.30PM
	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	Wednesday 24-10-2018	Form 2.30 PM To 5.30 PM
XIV	65121	Biodiversity, conservation and utilization	Friday 26-10-2018	
PAPER NO.- XV – CHOOSE ANY ONE OF THE FOLLOWING				
XV	63275	Plant Physiology-III	Monday 29-10-2018	Form 2.30 PM To 5.30 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	Wednesday 31-10-2018	Form 2.30 PM To 5.30 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	Friday 2-11-2018	
	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	Monday 26-11-2018	From 10.30 Am To 1.30 PM
II	59796	Foundation of Microwave Technology	Wednesday 28-11-2018	
III	59797	Computer Organisation	Friday 30-11-2018	
IV	59798	Foundations of Power electronics	Monday 3-12-2018	
	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	Monday 26-11-2018	Form 2.30 PM To 5.30 PM
VI	61350	Advanced Microwave Technology	Wednesday 28-11-2018	
VII	61351	Advanced Power Electronics	Friday 30-11-2018	
VIII	61352	Optoelectronics	Monday 3-12-2018	
	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	Tuesday 27-11-2018	From 10.30 Am To 1.30 PM
X	64136	Computer Networks	Thursday 29-11-2018	
<b>PAPER NO.- XI &amp; XII - CHOOSE ANY TWO OF THE FOLLOWING</b>				
	64137	Microcontroller System Design and ARM Architecture	Saturday 1-12-2018	From 10.30 Am To 1.30 PM
	64138	Electronic Fuzzy Systems	Tuesday 4-12-2018	
	64139	Satellite Communication	Thursday 6-12-2018	
	64140	Industrial Automation	Saturday 8-12-2018	
	66447	Signals Systems	Monday 10-12-2018	
	66448	Instrumentation	Wednesday 12-12-2018	
	66449	VHDL Programming	Friday 14-12-2018	
	66450	Mechatronics	Monday 17-12-2018	
	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	Tuesday 27-11-2018	Form 2.30 PM To 5.30 PM
XIV	64907	Analog and Digital Circuit Design	Thursday 29-11-2018	
XV	<b>PAPER NO.- XV - CHOOSE ANY TWO OF THE FOLLOWING</b>			
	64909	ARM Programming and Embedded Communication Protocols	Saturday 1-12-2018	Form 2.30 PM To 5.30 PM
	64910	Advanced Microcontroller and RTOS	Tuesday 4-12-2018	
	64911	Cellular Mobile Communications	Thursday 6-12-2018	
	64912	Electronic Neural Networks	Saturday 8-12-2018	
	64913	Advanced Drives	Monday 10-12-2018	
	64914	Antennas	Wednesday 12-12-2018	
64915	FPGA Based Systems	Friday 14-12-2018		
	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	Tuesday 23-10-2018	From 10.30 AM To 1.30 PM
II	59919	General Chemical Technology – I	Friday 26-10-2018	
III	59920	Selected Topics in Organic Chemistry	Tuesday 30-10-2018	
IV	59921	Introduction to Environmental Pollution	Friday 2-11-2018	
	59922	Practical – I	Internal Exam	
	59923	Practical – II		

		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	Thursday 25-10-2018	From 2.30 PM To 5.30 PM
VI	61399	General Chemical Technology – II	Monday 29-10-2018	
VII	61400	Selected Topics in Inorganic Chemistry	Thursday 1-11-2018	
VIII	61401	Instrumental Methods of Analysis	Saturday 3-11-2018	
	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	PAPER NAME	DAY & DATE	PAPER TIME
IX	60817	Organic Chemical Industries – I	Wednesday 24-10-2018	From 10.30 AM To 1.30 PM
X	60818	Inorganic Chemical Industries – I	Saturday 27-10-2018	
XI	60819	Methods of Analysis in Industries	Wednesday 31-10-2018	
XII	60820	Water Pollution	Saturday 3-11-2018	
	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	Tuesday 23-10-2018	From 2.30 PM To 5.30 PM
XIV	61522	Inorganic Chemical Industries – II	Friday 26-10-2018	
XV	61523	Selected Topics Industrial Chemistry	Tuesday 30-10-2018	
XVI	61524	Soil and radioactive Pollution	Friday 2-11-2018	
	61525	Practical – VII	Internal Exam	
	61526	Practical – VIII		

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

Exam Center :- Kolhapur

		Branch Code HORIZONTAL MOBILITY ( C.B.C.S.) Oct-2013		
		Part I :- Sem.-I		
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	Saturday 17-11-2018	From 10.30 AM  To 1.30 PM
	64041- Biochemistry,Enviornmental – Biotech, Biotechnology	*Cell Biochemistry		
II	59790-Microbiology/Pharmaceutical Microbiology 59778-Biochemistry 59816--Biotechnology 59853- Enviornmental- Biotechnology	* Protein – Structure & Function	Tuesday 20-11-2018	
III	59791- Microbiology/Pharmaceutical Microbiology 59779-Biochemistry 59817--Biotechnology 59854- Enviornmental- Biotechnology	* Biomolecules	Saturday 24-11-2018	
IV	59792-Microbiology/Pharmaceutical Microbiology 59780-Biochemistry 59818--Biotechnology 59855- Enviornmental- Biotechnology	* Biostatistics and Bioinformatics with Computer Orientation	Tuesday 27-11-2018	
	59781-Biochemistry 59793- Microbiology/ Pharmaceutical Microbiology 59819-biotechnology 59856- Environmental Biotechnology	Laboratory Course - I		
	59782- Biochemistry 59794- Microbiology/ Pharmaceutical Microbiology 59820- Biotechnology 59857- Environmental Biotechnology	Laboratory Course - II		Internal Exam

**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	Tuesday 13-11-2018	From 10.30 AM  To 1.30 PM
VI	61332 –Biochemistry  61370 -Biotechnology 61393-Environmental Biotechnology /61344- Microbiology/PharamaceuticalMicrobiology	* Molecular Biology	Wednesday 14-11-2018	
VII	61333- Biochemistry  61371-Biotechnology 61394-Environmental Biotechnology 61345- Microbiology/PharamaceuticalMicrobiology	* Bioenergetics	Thursday 15-11-2018	
VIII	61334- Biochemistry  61372-Biotechnology 61395-Environmental Biotechnology 61346- Microbiology/PharamaceuticalMicrobiology	*Tools & Techniques in Bioscience	Friday 16-11-2018	
	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	Monday 19-11-2018	From 10.30 AM To 1.30 PM
X	64160	Biomembrances & Cytoskeleton	Thursday 22-11-2018	
XI	<b>Paper No. XI- Choose Any One of the Following</b>		Monday 26-11-2018	
	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>		Wednesday 28-11-2018	
	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	65085	Neurochemistry(Old Upto Oct 2018)	Tuesday 13-11-2018	From 2.30PM  To 5.30PM
	71009	Research Methodology, Enterpreneurship Development & Tissue Culture (New From April 2018)		
XIV	65086	Carcinogenesis and Cell Signaling (Old Upto Oct 2018)	Wednesday 14-11-2018	
	71118	Neurochemistry and Carcinogenesis(New From April 2018)		
XV	63251-Microbiology 65088-Biochemistry 65197-Biotechnology	*Bioinformatics	Thursday 15-11-2018	
	<b>Paper No. XVI - Choose Any One of the Following</b>		Friday 16-11-2018	
XVI	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 NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64179-Biotechnology 64159-Biochemistry 63243-Microbiology 64185-Enviromental Biotechnology 69583-pharmaceutical Microbiology	* Genetic Engineering	Monday 19-11-2018	From 10.30AM To 1 30PM
X	64182	Plant Biotechnology	Thursday 22-11-2018	
XI	64181-Biotechnology 64188- EnviromentalBiotechnology 64161- Biochemistry 63244- Microbiology	# Fermentation Technology – I	Monday 26-11-2018	
XII	64180- Biotechnology 64651- Biochemistry 64653- EnviromentalBiotechnology 63246- Microbiology 69586-Pharmaceutical Microbiology	**Immunology	Wednesday 28-11-2018	
	64652 Biotechnology 64654 Microbiology 64162-Biochemistry 64186-Environmental Biotechnolgy	\$ 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- Biotecnology**

**# 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)	Tuesday 13-11-2018	From 2.30 PM To 5.30 PM
XIV	65080	** Advances in Genomics and Proteomics	Friday 30-11-2018	
XV	65081	Advances in Plant Biotechnology	Wednesday 14-11-2018	
<b>Choose Any One of the Following</b>				
XVI	65082	Industrial Organization and Management	Thursday 29-11-2018	From 2.30 PM To 5.30 PM
New( From March2016	65773	Nanobiotechnology		
XIV	65088- Biochemistry 63251- Microbiology 65197- Biotechnology 69590- Pharmaceutical Microbiology	* Bioinformatics	Thursday 15-11-2018	
	65089- Biochemistry 65131 Enviromental Biotechnology	\$ Fermentation Technology II	Friday 16-11-2018	
	65083	Laboratory Course VII	Internal Exam	
	65084	Laboratory Course VIII (Project Work)		

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

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

**\*\* 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	Monday 19-11-2018	From 10.30 AM To 1.30 PM
X	64187	Basics of Ecology, Ecotoxicology and Ecochemistry	Thursday 22-11-2018	
XI	64188- Environmental Biotechnology 64161- Biochemistry 64181-Biotechnology 63244-Microbiology	# Fermentation Technology – I	Monday 26-11-2018	
XII	Choose Any One of the Following			
	64186-Environmental Biotechnology 64654-Microbiology 64162-Biochemistry 64652-Biotechnology	\$ Immunochemistry	Wednesday 28-11-2018	
	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	Tuesday 13-11-2018	From 2.30 PM  To 5.30 PM
XIV	65129	Environmental Biotechnology	Wednesday 14-11-2018	
XV	65130	Biodiversity, IPR Biosafety & Bioethics	Thursday 15-11-2018	
XVI	65131-Environmental Biotechnology 65089-Biochemistry	\$ Fermentation Technology – II	Friday 16-11-2018	
	65080	** Advances in Genomics & Proteomics	Friday 30-11-2018	
	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	Monday 19-11-2018	From 10.30 AM To 1.30 PM
X	63245-Microbiology 69585-Pharmaceutical Microbiology	# # Microbial Diversity & Extremophiles	Thursday 22-11-2018	
XI	63244-Microbiology 64181-Biotechnology 64161-Biochemistry 64188- Environmental Biotechnology	# Fermentation Technology - I	Monday 26-11-2018	
XII	Choose Any One of the Following			
	64654-Microbiology 64186- Environmental Biotechnology 64162-Biochemistry	\$ Immunochemistry	Wednesday 28-11-2018	
	63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry 69586- Pharmaceutical Microbiology	** Immunology		
	63247	Laboratory Course - V	Internal Exam	
	63248	Laboratory Course - VI	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	Tuesday 13-11-2018	From 2.30PM To 5.30PM
XIV	65088-Biochemistry 63251-Microbiology 65197-Biotechnology 69590- Pharmaceutical Microbiology	*Bioinformatics	Thursday 15-11-2018	
XV	63250	Microbial Fermentation Technology	Wednesday 14-11-2018	
XVI	63252-Microbiology 69592-Pharmaceutical Microbiology	# Medical Microbiology	Friday 16-11-2018	
	63253	Laboratory Course VII	Internal Exam	
	63254	Laboratory Course VIII	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	Monday 19-11-2018	From 10.30AM To 1.30PM
XI	69585-Pharmaceutical Microbiology 63245-Microbiology	# # Microbial Diversity and Extremophiles	Thursday 22-11-2018	
X	69584	Pharmaceutical Microbiology	Monday 26-11-2018	
XII	69586- Pharmaceutical Microbiology 63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry	** Immunology	Wednesday 28-11-2018	
	69587	Laboratory Course - V		
	69588	Laboratory Course - VI		Internal Exam

**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	Tuesday 13-11-2018	From 2.30 PM To 5.30 PM
	69591	Quality Management and IPR	Wednesday 14-11-2018	
	69590-PharmaceuticalMicrobiology 65088-Biochemistry 63251-Microbiology	*Bioinformatics	Thursday 15-11-2018	
	69592- Pharmaceutical Microbiology 63252-Microbiology	# Medical Microbiology	Friday 16-11-2018	
	69593	Laboratory Course - VII		
	69594	Laboratory Course - VIII		Internal Exam

**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	Tuesday 23-10-2018	From 10.30AM To 1.30PM
II	59765	*Soil Science Fertilizers and Micronutrients	Thursday 25-10-2018	
III	59766	*Introductory and Industrial Entomology	Saturday 27-10-2018	
IV	59767	*Crop Diseases and Weeds	Monday 29-10-2018	
	59768	*Practical I	Internal Exam	
	59769	*Practical II		

**Note - \* This Indicates Paper for repaecer 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	Tuesday 23-10-2018	From 10.30 AM To 1.30 PM
II	71532	#Soil Science Fertilizers	Thursday 25-10-2018	
III	71533	#Introductory and Industrial Entomology	Saturday 27-10-2018	
IV	71534	#Basic Concepts In Plant Pathology	Monday 29-10-2018	
	71535	#Practical I	Internal Exam	
	71536	#Practical II		

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

		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	Tuesday 23-10-2018	From 2.30 PM To 5.30 PM
VI	61320	Analytical Techniques for Agrochemicals	Thursday 25-10-2018	
VII	61321	Economic Entomology	Saturday 27-10-2018	
VIII	61322	Biotechnological Aspects of Plant Protection	Monday 29-10-2018	
	61323	Practical-III	Internal Exam	
	61324	Practical-VI		

## 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	Wednesday 24-10-2018	From 10.30 AM  To  1.30 PM
X	64173	Pests of Crops Plants & Their Control – I	Friday 26-10-2018	
XI	64174	Analysis of Agrochemicals	Tuesday 30-10-2018	
XII	64175	Diseases of Crop Plants – I	Thursday 1-11-2018	
	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	Wednesday 24-10-2018	From 2.30 PM To 5.30 PM
XIV	65026	Pests Of Crop Plants And Their Control-II	Friday 26-10-2018	
XV	65027	Manufacture Of Agrochemicals	Tuesday 30-10-2018	
XVI	65028	Diseases Of Crop Plants and Their Control -II	Thursday 1-11-2018	
	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	Monday 19-11-2018	From 10.30AM  To  1.30 PM
II	59659	Virology	Thursday 22-11-2018	
III	59660	Genetics & Molecular Biology	Saturday 24-11-2018	
IV	59661	Immunology	Tuesday 27-11-2018	
	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	Monday 26-11-2018	From 2.30 PM To 5.30 PM
VI	61405	Microbial Physiology Biochemistry & Metabolism	Wednesday 28-11-2018	
VII	61406	Medical Microbiology	Friday 30-11-2018	
VIII	61407	Microbial Ecology	Monday 3-12-2018	
	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	Monday 26-11-2018	From 10.30AM  To  1.30PM
X	64204	Enzymology & Enzyme Technology	Wednesday 28-11-2018	
XI	64205	Microbial Technology	Friday 30-11-2018	
XII	64206	Microbial Diversity & Extremophiles	Monday 3-12-2018	
	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	Monday 19-11-2018	From 2.30PM  To  5.30PM
XIV	65095	Fermentation Technology	Thursday 22-11-2018	
XV	65096	Industrial waste management	Saturday 24-11-2018	
XVI	65097	Recombinant DNA Technology	Tuesday 27-11-2018	
	65098	Practical Course – VII	Internal Exam	
	65099	Practical Course – VIII		

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

Exam Center :- Satara

		Branch Code - APPLIEDMICROBIOLOGY (C.B.C.S.)	From Oct. 2013	
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	60805	Anatomy, Cytology & Taxonomy of Microorganisms	Monday 19-11-2018	From 10.30 AM  To  1.30 PM
II	60806	Virology	Thursday 22-11-2018	
III	60807	Biomolecules & Bioenergetics	Saturday 24-11-2018	
IV	60808	Genetics	Tuesday 27-11-2018	
	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	PAPER TIME
V	61544	Bio – Instrumentation	Monday 26-11-2018	From 2.30PM To 5.30PM
VI	61545	Molecular Biology	Wednesday 28-11-2018	
VII	61546	Microbial Biochemistry	Friday 30-11-2018	
VIII	61547	Immunology	Monday 3-12-2018	
	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	PAPER TIME
IX	64197	Microbial Ecology & Extremophiles	Monday 26-11-2018	From 10.30AM  To  1.30PM
X	64198	Biostatistics, Bioinformatics and Scientific Writing	Wednesday 28-11-2018	
XI	64199	Gene Manipulation and Tissue Culture Technology	Friday 30-11-2018	
XII	<b>Paper No. XII :- Choose Any One Of The Following Paper</b>			
	64200	Medical and Pharmaceutical Microbiology	Monday 3-12-2018	Internal Exam
	64828	Mycology		
	64201	Practical V :- ( Ecology & Extremophiles & Biostat, Scientific Writing )		
	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	PAPER TIME
XIII	65013	Industrial Microbiology	Monday 19-11-2018	From 2.30PM To 5.30PM
XIV	65014	Bioprocesses	Thursday 22-11-2018	
XV	65106	Food and Agricultural Technology	Saturday 24-11-2018	
XVI	<b>Paper No. XVI :- Choose Any One Of The Following Paper</b>			
	65015	Industrial Waste Management and Microbial Bioremediation	Monday 26-11-2018	Internal Exam
	65016	Quality Management System In Industry		
	65017	Practical Course - VII		
	65018	Practical Course – VIII (Project work)		

## M.Sc. GEOLOGY

Exam Center:- Kolhapur

Chance UPTO March 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 12-11-2018	From 10.30 AM  To  1.30 PM
II	59620	*Igneous Petrology	Wednesday 14-11-2018	
III	59621	*Metamorphic Petrology	Friday 16-11-2018	
IV	59622	*Sedimentary Petrology	Monday 19-11-2018	
	59623	* Practical I	Internal Exam	
	59624	Practical II		

**Note - \* This Indicates Paper for repeater 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 12-11-2018	From 10.30 AM  To  1.30 PM
II	71677	#Igneous Petrology	Wednesday 14-11-2018	
III	71678	#Metamorphic Petrology	Friday 16-11-2018	
IV	71679	#Sedimentary Petrology	Monday 19-11-2018	
	71680	#Practical I	Internal Exam	
	71681	#Practical II		

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

		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 12-11-2018	From 2.30PM  To  5.30PM
VI	61551	Stratigraphy and Paleontology	Wednesday 14-11-2018	
VII	61552	Economic Geology	Friday 16-11-2018	
VIII	61553	Remote Sensing and Geomorphology	Monday 19-11-2018	
	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 13-11-2018	From 10.30AM  To  1.30PM
X	63202	Geophysics and Exploration Methods	Thursday 15-11-2018	
XI	63203	Geochemistry	Saturday 17-11-2018	
XII	Paper No. XII :- Choose Any One of the Following		Thursday 22-11-2018	
	63204	Gemmology & Industrial Mineralogy		
	63205	Mining Geology		
	63206	Marine Geology		
	63207	Geoinformatics	Internal Exam	
	63208	Practical V		
	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 13-11-2018	From 2.30 PM To 5.30 PM
XIV	63211	Natural Resource Management	Thursday 15-11-2018	
XV	63212	Environmental Geology	Saturday 17-11-2018	
XVI	63213	Dissertation / Institutional Training	Internal Exam	
	63214	Practical-VII Based on Paper-XIII		
	63215	Practical-VIII Based on Paper-XIV		

N. B.

1. 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.
2. 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.
3. 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.
4. Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
5. 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.
6. The Written Examination will be conducted in the above order.

**Vidyanagar,  
Kolhapur-416004  
Date :-25-9-2018**

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