



## SHIVAJI UNIVERSITY, KOLHAPUR.

Circular No 46 Exam. Oct./Nov. 2016

**Final Programme  
For M. Sc. (CBCS)  
Oct./Nov. 2016  
Exam**

**Final Programme for the university Examination of the 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 Exam, A.G.P.M,Micro biology (CBCS- R), Applied Microbiology,Subject) Choise Basc Credit System & Geology Exam.  
[ C.B.C.S.] Examination to be held in Oct./Nov. 2016**

\* 1. The Written Examination will be held at :-

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 ,App Chemistry,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 Krishna 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	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	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 Rajarambapu patil 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	97	M. Sc. Botany	Matoshri Bayyabai Shripathrao Kadam Kanya Mahavidyalaya, Kadegaon Dist Sangli
15	Vita	86	M.Sc. Chemistry Inorganic, Organic,	Balwant College, VITA
16	Satara	149	M.Sc.Botany, Chemistry, Organic Chemistry, App. Microbiology, Zoology,	1) Yashwantrao Chavan Institute of Science, SATARA.
		145	M.Sc. Chemistry, Analytical Chemistry	2) Lal Bhadhur 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.

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

Exam Center :- Kolhapur, Satara, Karad

		Branch Code - ZOOLOGY ( C.B.C.S.)	From Oct. 2013	
		Part I :- Sem. I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59844	Biosystematics & Biodiversity	Monday 17-10-2016	From 10.30 AM To 1.30 PM
II	59845	Ecology & Environmental Pollution	Wednesday 19-10-2016	
III	59846	Cell & Molecular Biology	Friday 21-10-2016	
IV	59847	Applied Entomology	Monday 24-10-2016	
	59848	Practical I	Internal Exam	
	59849	Practical II		

		Branch Code - ZOOLOGY ( C.B.C.S.)	From April-2014	
		Part I :- Sem II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61386	Physiological Chemistry	Monday 17-10-2016	From 2.30PM To 5.30PM
VI	61387	Quantitative Biology & Tools and Techniques in Biology	Wednesday 19-10-2016	
VII	61388	Elements of Physiology	Friday 21-10-2016	
VIII	61389	Biology of Parasites	Monday 24-10-2016	
	61390	Practical III	Internal Exam	
	61391	Practical IV		

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

		Branch Code - ZOOLOGY ( C.B.C.S.)	From Oct. 2014		
		Part II :- Sem III			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
IX	64145	Genetics	Tuesday 18-10-2016	From 10.30 AM To 1.30 PM	
X	64146	Enzymology	Thursday 20-10-2016		
<b>PAPER NO. XI – CHOOSE ANY ONE OF THE FOLLOWING</b>					
PAPER NO. XI	64149	Computational Molecular Biology	Saturday 22-10-2016		
	64150	Animal Physiology			
	64151	Basic Entomology			
	64152	Fisheries Resources – Inland and Marine Fisheries			
	64157	General Sericulture and Morigulture			
<b>PAPER NO. XII – CHOOSE ANY ONE OF THE FOLLOWING</b>					
PAPER NO. XII	64153	Molecular Biology of Gene	Monday 25-10-2016		
	64154	Applied Physiology			
	64155	Agricultural Entomology			
	64156	Fish Pathology & Reproductive Endocrinology			
	64158	Silkworm Biology & Rearing Technology			
CBCS Elective Paper From Oct. 2015	65761	<b>Applied Zoology</b>	Wednesday 26-10-2016		
	64147	<b>PRACTICAL V</b>	Internal Exam		
	64148	<b>PRACTICAL VI</b>			

ExamCenter:-Kolhapur,Satara,Karad

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	
XIII	65108	Animal Cells in Biotechnology		Tuesday 18-10-2016	
XIV	65109	Toxicology and Immunology		Thursday 20-10-2016	
<b>Paper No. – Paper – XV Choose Any one of the following (Optional)</b>					
<b>Paper – NO XV</b>	65112	Cell in differentiation, development and specialization		Saturday 22-10-2016	
	65113	Physiology of Health			
	65114	Insect Anatomy and Physiology			
	65115	Aquaculture practices			
	65181	Cytogenetics and breeding of silkworm & Host Plants		From 2.30 PM To 5.30PM	
<b>Paper No. – Paper – XVI Choose Any one of the following (Optional)</b>					
<b>Paper – NO XVI</b>	65116	Cell Pathology			Monday 25-10-2016
	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			Wednesday 26-10-2016
	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.]

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

		Branch Code	- COMPUTER SCIENCE ( C.B.C.S.)	From Oct. 2013
		Part I :- Sem I		
PAPER NO.	PAPER CODE	PAPER NAME		DAY & DATE
I	59752	Theory of Languages		Friday 14-10-2016
II	59753	Advanced Computer Networks		Monday 17-10-2016
III	59754	Advanced Database Theory		Wednesday 19-10-2016
IV	59755	Design & Analysis of Algorithms		Friday 21-10-2016
V	60850	Web Designing		Monday 24-10-2016
	59756	Lab I		From 10.30 AM To 1.30 PM
	59757	Lab II		
Internal Exam				

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

		Branch Code	- COMPUTER SCIENCE ( C.B.C.S.)	From April-2014
		Part I :- Sem II		
PAPER NO.	PAPER CODE	PAPER NAME		DAY & DATE
VI	61307	Compiler Techniques		Friday 14-10-2016
VII	61308	Artificial Intelligence		Monday 17-10-2016
VIII	61309	Java Programming		Wednesday 19-10-2016
IX	61507	Software Engineering		Friday 21-10-2016
<b>PAPER NO. X – Choose Any One Of The Following</b>				
X	61310	Data Ware House		Monday 24-10-2016
X	61741	Network Security		
X	61742	Parallel Computing		
X	61743	Computer Architecture		
	61311	Lab - IV		Internal Exam
	61312	Lab - III		

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

**Exam Center :- Kolhapur, 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	Saturday 15-10-2016	From 10.30 AM To 1.30 PM
XII	63732	Computer Graphics	Tuesday 18-10-2016	
XIII	Paper NoXIII.- Choose Any one of the following		Thursday 20-10-2016	
	63733	Cloud computing		
	63734	Distributed Operating System		
	63735	Data Mining		
	63736	Open Source Software's		
XIV	63737 (CBCS)	Software Project Management (CBCS)	Saturday 22-10-2016	
	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,**

		Branch Code - CHEMISTRY ( C.B.C.S.)		
				Part I :- Sem I
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59821/59803	* Inorganic Chemistry – I	Monday 7-11-2016	From 10.30 AM To 1.30 PM
II	59822/59804	* Organic Chemistry – I	Wednesday 9-11-2016	
III	59823/59805	* Physical Chemistry – I	Friday 11-11-2016	
IV	59824/59806	* Analytical Chemistry – I	Tuesday 15-11-2016	
	59807	Practical - I	Internal Exam	
	59808	Practical - II		

		Branch Code - CHEMISTRY ( C.B.C.S.)		
				Part I :- Sem II
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61375/61357	* Inorganic Chemistry – II	Tuesday 8-11-2016	From 2.30 PM To 5.30 PM
VI	61376/61358	* Organic Chemistry – II	Thursday 10-11-2016	
VII	61377/61359	* Physical Chemistry – II	Saturday 12-11-2016	
VIII	61378/61360	* Analytical Chemistry – II	Wednesday 16-11-2016	
	61379/61361	Practical - III	Internal Exam	
	61380/61362	Practical - IV		

## 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	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
X	61068	Electrochemistry	Thursday 10-11-2016	
XI	61069	Molecular Structure – I	Saturday 12-11-2016	
<b>PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
Paper No.XII-	61070	Solid State Chemistry	Wednesday 16-11-2016	
	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	Monday 7-11-2016	From 2.30 PM To 5.30 PM
XIV	61417	Chemical Kinetics	Wednesday 9-11-2016	
XV	61418	Molecular Structure II	Friday 11-11-2016	
<b>PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER</b>				
	61419	Surface Chemistry	Monday 15-11-2016	
	61421	Chemistry of Materials		
	61422	Biophysical Chemistry		
	61420	Practical - VII	Internal Exam	
	61423	Practical - VIII		

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

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

		Branch Code - ANALYTICAL CHEMISTRY ( C.B.C.S.)		
		Part II :- Sem.- III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61048	General Analytical Techniques	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
X	61049	Organo Analytical Chemistry	Thursday 10-11-2016	
XI	61050	Electro-Analytical Techniques in chemical Analysis	Saturday 12-11-2016	
Paper No.XII- Choose Any One	61051	Environmental chemical Analysis & Control	Wednesday 16-11-2016	
	61052	Recent Advance in Analytical chemistry		
	64629	<b>Chemical Analysis in Agro, Food and Pharmaceutical Industries</b>		
	61053	Practical - V	Internal Exam	
	61054	Practical - VI		

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

		<b>Branch Code - ANALYTICAL CHEMISTRY ( C.B.C.S.)</b>	From April-2015
		Part II :- Sem. - IV	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
XIII	61527	Modern Separation method in Analysis	Monday 7-11-2016
XIV	61528	Organic Industrial Analysis	Wednesday 9-11-2016
XV	61529	Advanced Methods in Chemical Analysis	Friday 11-11-2016
<b>Paper No. XVI- Choose any One</b>	61530	Applied Analytical Chemistry	Monday 15-11-2016
	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>	From Oct. 2014
		Part II :- Sem.- III	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
IX	60832	Inorganic Chemical Spectroscopy	Tuesday 8-11-2016
X	60833	Coordination Chemistry-I	Thursday 10-11-2016
XI	60834	Nuclear Chemistry	Saturday 12-11-2016
<b>Paper No.XII- Choose Any One</b>	60835	Environmental Chemistry	Wednesday 16-11-2016
	60836	Organometallic Chemistry	
	60837	Selected Topics in Inorganic Chemistry	
	60838	Practical - V	Internal Exam
	60839	Practical - VI	

		<b>Branch Code - INORGANIC CHEMISTRY ( C.B.C.S.)</b>	From April-2015
		Part II :- Sem. - IV	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
XIII	61424	Instrumental Techniques	Monday 7-11-2016
XIV	61425	Co-Ordination Chemistry -II	Wednesday 9-11-2016
XV	61426	Chemistry of Inorganic Materials	Friday 11-11-2016
<b>Paper No XVI- Choose Any One</b>	61427	Separation Science	Monday 15-11-2016
	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,**

		<b>Branch Code - ORGANIC CHEMISTRY ( C.B.C.S.)</b>	<b>From Oct. 2014</b>
		Part II :- Sem. III	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
IX	60840	Organic Reaction Mechanism	Tuesday 8-11-2016
X	60841	Advanced Spectroscopic Methods	Thursday 10-11-2016
XI	60842	Advanced Synthetic Methods	Saturday 12-11-2016
Paper No.XII- <b>Choose Any One</b>	60843	Drugs and Heterocycles	Wednesday 16-11-2016
	61844	Heterocyclic	
	60845	Practical - V	<b>Internal Exam</b>
	60846	Practical - VI	

		<b>Branch Code - ORGANIC CHEMISTRY ( C.B.C.S.)</b>	<b>From April-2015</b>
		Part II :- Sem IV	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
XIII	61430	Theoretical Organic Chemistry	Monday 7-11-2016
XIV	61431	Stereochemistry	Wednesday 9-11-2016
XV	61432	Chemistry of Natural Products	Friday 11-11-2016
Paper No.XVI- <b>Choose Any</b>	61433	Applied Organic Chemistry	Monday 15-11-2016
	61536	Computational Chemistry	
	64647	<b>Bio-organic Chemistry</b>	
	61434	Practical - VII	<b>Internal Exam</b>
	61435	Practical - VIII	

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

**Exam Center :- Kolhapur, Ichalkaranji, Kadegon, Satara**

		<b>Branch Code - BOTANY ( C.B.C.S.)</b>	<b>From Oct. 2013</b>
		Part I :- Sem. I	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
I	59601/59809	Pre-requisite Course	Friday 14-10-2016
II	59602/59810	Biology & Diversity of Fungi, Algae and Bryophytes	Monday 17-10-2016
III	59603/59811	Plant Ecology	Wednesday 19-10-2016
IV	59604/59812	Biology & Diversity of Pteridophytes Gymnosperms & Paleobotany	Friday 21-10-2016
	59813	Practical - I	<b>Internal Exam</b>
	59814	Practical - II	

**Exam Center :- Kolhapur, Satara**

		<b>Branch Code - BOTANY ( C.B.C.S.)</b>	<b>From April-2014</b>
		Part I :- Sem. II	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>
V	61363	Cell and Molecular Biology	Saturday 15-10-2016
VI	61364	Angiosperm Systematics	Tuesday 18-10-2016
VII	61365	Plant Pathology	Thursday 20-10-2016
VIII	61366	Plant Structure, Development & Reproduction	Saturday 22-10-2016
	61367	Practical - III	<b>Internal Exam</b>
	61368	Practical - IV	

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

Exam Center :- Kolhapur, 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	
<b>IX</b>	63255	Cytogenetic &Crop Improvement	Monday 17-10-2016	From 2.30 PM To 5.30 PM	
<b>X</b>	63256	Biotechnology and Genetic Engineering	Wednesday 19-10-2016		
<b>PAPER NO.- XI – CHOOSE ANY ONE OF THE FOLLOWING</b>					
<b>XI</b>	63257	Plant Physiology – I	Friday 21-10-2016		
	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				
<b>PAPER NO.- XII – CHOOSE ANY ONE OF THE FOLLOWING</b>					
<b>XII</b>	63264	Plant Physiology – II	Monday 24-10-2016		
	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				
<b>Elective CBCS Paper</b>	65194	Plant Sciences, Human Progress And Prosperity	Wednesday 26-10-2016		
	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, 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	Tuesday 18-10-2016	From 2.30 PM To 5.30 PM	
XIV	65121	Biodiversity, conservation and utilization	Thursday 20-10-2016		
<b>PAPER NO.- XV – CHOOSE ANY ONE OF THE FOLLOWING</b>					
XV	63275	Plant Physiology-III	Saturday 22-10-2016		
	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			
<b>PAPER NO.- XVI – CHOOSE ANY ONE OF THE FOLLOWING</b>					
XVI	63282	Plant Physiology-IV	Tuesday 25-10-2016		
	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				
<b>Elective paper</b>	65195	Plant A Biological Capital	Thursday 27-10-2016		
		63293	<b>PRACTICAL- VII</b>	Internal Exam	
		63294	<b>PRACTICAL- VIII</b>		

## 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		PAPER TIME
I	59795	Audio and Video Engineering	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
II	59796	Foundation of Microwave Technology	Thursday 10-11-2016	
III	59797	Computer Organisation	Saturday 12-11-2016	
IV	59798	Foundations of Power electronics	Tuesday 15-11-2016	
		<b>59799</b>	<b>Mathematical Techniques – I</b>	
		59800	Practicals - I	
		59801	Practical s- II	
		Internal Exam		

Exam Center Kolhapur				
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	Tuesday 8-11-2016	From 2.30 PM To 5.30 PM
VI	61350	Advanced Microwave Technology	Thursday 10-11-2016	
VII	61351	Advanced Power Electronics	Saturday 12-11-2016	
VIII	61352	Optoelectronics	Tuesday 15-11-2016	
	61353	Technical Writing	Internal Exam	
	61354	Practicals - III		
	61355	Practicals - IV		

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

Exam Center :- Kolhapur

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	Monday 7-11-2016	From 10.30 AM To 1.30 PM	
X	64136	Computer Networks	Wednesday 9-11-2016		
<b>PAPER NO.- XI &amp; XII - CHOOSE ANY TWO OF THE FOLLOWING</b>					
	64137	Microcontroller System Design and ARM Architecture	Friday 11-11-2016		
	64138	Electronic Fuzzy Systems	Tuesday 15-11-2016		
	64139	Satellite Communication	Thursday 17-11-2016		
	64140	Industrial Automation	Saturday 19-11-2016		
	66447	Signals Systems	Monday 21-11-2016		
	66448	Instrumentation	Wednesday 23-11-2016		
	66449	VHDL Programming	Friday 25-11-2016		
	66450	Mechatronics	Monday 28-11-2016		
	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	Monday 7-11-2016	From 2.30 PM To 5.30 PM	
XIV	64907	Analog and Digital Circuit Design	Wednesday 9-11-2016		
<b>PAPER NO.- XV - CHOOSE ANY TWO OF THE FOLLOWING</b>					
XV	64909	ARM Programming and Embedded Communication Protocols	Friday 11-11-2016		
	64910	Advanced Microcontroller and RTOS	Tuesday 15-11-2016		
	64911	Cellular Mobile Communications	Thursday 17-11-2016		
	64912	Electronic Neural Networks	Saturday 19-11-2016		
	64913	Advanced Drives	Monday 21-11-2016		
	64914	Antennas	Wednesday 23-11-2016		
	64915	FPGA Based Systems	Friday 25-11-2016		
	64908	Project	Internal Exam		

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

**Exam Center :- Kolhapur**

		<b>Branch Code - APPLIED CHEMISTRY ( C.B.C.S.)</b>		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61061	Applied Inorganic Chemistry – I	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
X	61062	Applied Organic Chemistry – I	Thursday 10-11-2016	
XI	61063	Applied Physical Chemistry – I	Saturday 12-11-2016	
XII	61064	Advanced Organic Chemistry–I	Wednesday 16-11-2016	
	61065	Practical - V	Internal Exam	
	61066	Practical - VI		

		<b>Branch Code - APPLIED CHEMISTRY ( C.B.C.S.)</b>		
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61410	Applied Inorganic Chemistry – II	Monday 7-11-2016	From 2.30 PM To 5.30 PM
XIV	61411	Applied Organic Chemistry – II	Wednesday 9-11-2016	
XV	61412	Advanced Organic Chemistry – II	Friday 11-11-2016	
XVI	61413	Inorganic Chemical Industries	Tuesday 15-11-2016	
	61414	Practical - VII	Internal Exam	
	61415	Practical - VIII		

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

**Exam Center :- Kolhapur**

		<b>Branch Code - INDUSTRIAL CHEMISTRY ( C.B.C.S.)</b>		
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59918	Introduction to Chemical Engg. – I	Monday 7-11-2016	From 10.30 AM To 1.30 PM
II	59919	General Chemical Technology – I	Wednesday 9-11-2016	
III	59920	Selected Topics in Organic Chemistry	Friday 11-11-2016	
IV	59921	Introduction to Environmental Pollution	Tuesday 15-11-2016	
	59922	Practical - I	Internal Exam	
	59923	Practical - II		

		Branch Code - 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	Tuesday 8-11-2016	From 2.30 PM To 5.30 PM
VI	61399	General Chemical Technology – II	Thursday 10-11-2016	
VII	61400	Selected Topics in Inorganic Chemistry	Saturday 12-11-2016	
VIII	61401	Instrumental Methods of Analysis	Wednesday 16-11-2016	
	61402	Practical - III	Internal Exam	
	61403	Practical - IV		

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

Exam Center :- Kolhapur

		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	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
X	60818	Inorganic Chemical Industries – I	Thursday 10-11-2016	
XI	60819	Methods of Analysis in Industries	Saturday 12-11-2016	
XII	60820	Water Pollution	Wednesday 16-11-2016	
	61198	Practical - V	Internal Exam	
	61199	Practical – VI		

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

		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	Monday 7-11-2016	From 2.30 PM To 5.30 PM
XIV	61522	Inorganic Chemical Industries – II	Wednesday 9-11-2016	
XV	61523	Selected Topics Industrial Chemistry	Friday 11-11-2016	
XVI	61524	Soil and radioactive Pollution	Tuesday 15-11-2016	
	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	59789/59777/59815/59852	* Cell Biology, Microbiology and Virology	Monday 7-11-2016	From 10.30 AM To 1.30 PM
	64041	* Cell Biochemistry		
II	59790/59778/59816/59853	* Protein – Structure & Function	Wednesday 9-11-2016	
III	59791/59779/59817/59854	* Biomolecules	Friday 11-11-2016	
IV	59792/59780/59818/59855	* Biostatistics and Bioinformatics with Computer Orientation	Tuesday 15-11-2016	
	59781/59819/59856/ 59793	Lab - I	Internal Exam	
	59782/59820/59857/59794	Lab - II		

Note :- { \*Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & Microbiology , Pharmaceutical Microbiology (oct. 2016 new)}

		Branch Code - HORIZONTAL MOBILITY ( C.B.C.S.)		
		From April-2014		
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61331/61369/61392/61343	* Enzymology	Monday 17-10-2016	From 10.30 AM To 1.30 PM
VI	61332/61370/61393/61344	* Molecular Biology	Wednesday 19-10-2016	
VII	61333/61371/61394/61345	* Bioenergetics	Friday 21-10-2016	
VIII	61334/61372/61395/61346	*Tools & Techniques in Bioscience	Monday 24-10-2016	
	61335/61373/61396/61347	Lab - III	Internal Exam	
	61336/61374/61397/61348	Lab - IV		

Note :- { \* Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & 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	64159/64179/ 63243/64185	* Genetic Engineering	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
X	64160	Biomembrances & Cytoskeleton	Thursday 10-11-2016	
XI	<b>Paper No.XI- Choose Any One of the Following</b>		Saturday 12-11-2016	
	64181/64161/ 64188/63244	* 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 16-11-2016	
	64162/64654/ 64186	\$ Immunochemistry		
	64651/64180/ 64653/63246	** Immunology		
	64163	Laboratory Course V	Internal Exam	
	64164	Laboratory Course VI		

Note :- \* Common paper with Biotechnology, Envi-Biotechnology & Microbiology

\$ Common paper with Envi- Biotechnology

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

		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	Tuesday 18-10-2016	From 10.30 AM To 1.30 PM	
XIV	65086	Carcinogenesis and Cell Signaling	Thursday 20-10-2016		
XV	63251/65088/ 65197	*Bioinformatics	Saturday 22-10-2016		
<b>Paper No. XVI - Choose Any One of the Following</b>					
XVI	65087	Medical and Environmental Biochemistry	Tuesday 25-10-2016	Internal Exam	
	65089/65131	\$ Fermentation Technology – II			
	65090	Clinical Biochemistry – II			
	65091	Biochemical and Environmental Toxicology – II			
	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	64179/64159/ 63243/64185	* Genetic Engineering	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM	
X	64182	Plant Biotechnology	Thursday 10-11-2016		
XI	64181/64188/ 64161/63244	*Fermentation Technology – I	Saturday 12-11-2016		
XII	64180/64651/ 64653/63246/	**Immunology	wednesday 16-11-2016		
	64183	Laboratory Course V	Internal Exam		
	64184	Laboratory Course VI			

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

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

		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	65079/65108	\$ Animal Cells in Biotechnology (Pre-Revised)	Tuesday 18-10-2016	From 2.30 PM To 5.30 PM	
	65769	Animal Tissue Culture (Revised)	Tuesday 18-10-2016	From 10.30 AM To 1.30 PM	
XIV	65080	*Advances in Genomics and Proteomics	Tuesday 25-10-2016	From 2.30 PM To 5.30 PM	
XV	65081	Advances in Plant Biotechnology	Thursday 20-10-2016	From 10.30 AM To 1.30 PM	
<b>Choose Any One of the Following</b>					
XVI	65082	Industrial Organization and Management	Saturday 22-10-2016	From 2.30 PM To 5.30PM	
New( From March2016	65773	Nanobiotechnology			

<b>XIV</b>	65088/63251/ 65197	#Bioinformatics	Saturday 22-10-2016	From 10.30 AM To 1.30 PM
	65089/65131	** Fermentation Technology II	Tuesday 25-10-2016	From 10.30 AM To 1.30 PM
	65083	<b>Laboratory Course VII</b>	Internal Exam	
	65084	<b>Laboratory Course VIII (Project Work)</b>		

**Note** § Common paper with zoology Sem- IV  
\* Common Paper with Envi- Biotechnology  
\*\* Common Paper with Biochemistry & Envi- Biotchnology  
# Common paper with Biochemistry & Microbiology

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

**Exam Center :- KOLHAPUR**

		<b>Branch Code - ENV. BIOTECHNOLOGY ( C.B.C.S. )</b>		
		<b>From Oct. 2014</b>		
		Part II :- Sem.-III		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
<b>IX</b>	64185/64159/ 64179/63243	*Genetic Engineering	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM
<b>X</b>	64187	Basics of Ecology, Ecotoxicology and Ecochemistry	Thursday 10-11-2016	
<b>XI</b>	64188/64161/ 64181/63244	*Fermentation Technology – I	Saturday 12-11-2016	
<b>XII</b>	<b>Choose Any One of the Following</b>			
	64186/64654/ 64162	§ Immunochemistry	Wednesday 16-11-2016	
	64653/64180/ 63246/64651	** Immunology		
	64189	Laboratory Course V	Internal Exam	
	64190	Laboratory Course VI		

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

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

		<b>Branch Code - ENV. BIOTECHNOLOGY ( C.B.C.S. )</b>		
		<b>From April-2015</b>		
		Part II :- Sem.-IV		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
<b>XIII</b>	65128	Environmental Pollution and Control	Tuesday 18-10-2016	From 10.30 AM To 1.30 PM
<b>XIV</b>	65129	Environmental Biotechnology	Thursday 20-10-2016	
<b>XV</b>	65130	Biodiversity, IPR Biosafety & Bioethics	Saturday 22-10-2016	
<b>XVI</b>	65131/65089	§ Fermentation Technology – II	Tuesday 25-10-2016	
	65080	* Advances in Genomics & Proteonumics	<b>Tuesdaay 25-10-2016</b>	From 2.30 PM To 5.30 PM
	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	63243/64159/ 64179/64185	*Genetic Engineering	Tuesday 8-11-2016	From 10.30 AM To 1.30 PM	
X	63245	Microbial Diversity & Extremophiles	Thursday 10-11-2016		
	63244/64181/ 64161/64188	*Fermentation Technology - I	Saturday 12-11-2016		
XII	Choose Any One of the Following				
	64654/64186/ 64162	\$ Immunochemistry	Wednesday 16-11-2016	Internal Exam	
	63246/64180/ 64653/64651	** Immunology			
	63247	Laboratory Course - V	Internal Exam		
	63248	Laboratory Course - VI			

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

\$ Common Paper with Biochemistry & Env- Biotechnology

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

		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 18-10-2016	From 10.30 AM To 1.30 PM	
XIV	65088/63251 / 65197	*Bioinformatics	Saturday 22-10-2016		
XV	63250	Microbial Fermentation Technology	Thursday 20-10-2016		
XVI	63252	Medical Microbiology	Tuesday 25-10-2016		
	63253	Laboratory Course VII	Internal Exam		
	63254	Laboratory Course VIII			

Note \* common paper with biochemistry & Microbiology, Biotechnology)

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

Exam Center :- Kolhapur, Arjunnagar

		Branch Code - AGRO CHEMICAL & PEST MANAGEMNT ( C.B.C.S.) From Oct. 2013		
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59764	Chemistry of Pesticides and their Formulations - I	Monday 17-10-2016	From 10.30 AM To 1.30 PM
II	59765	Soil Science Fertilizers and Micronutrients	Wednesday 19-10-2016	
III	59766	Introductory and Industrial Entomology	Friday 21-10-2016	
IV	59767	Crop Diseases and Weeds	Monday 24-10-2016	
	59768	Practical I	Internal Exam	
	59769	Practical II		



		<b>Branch Code - AGRO CHEMICAL &amp; PEST MANAGEMNT ( C.B.C.S.)</b> From April-2014		
		<b>Part I :- Sem.-II</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
<b>V</b>	61319	Chemistry of Pesticides and their Formulations - II	Tuesday 18-10-2016	From 10.30 AM To 1.30 PM
<b>VI</b>	61320	Analytical Techniques for Agrochemicals	Thursday 20-10-2016	
<b>VII</b>	61321	Economic Entomology	Saturday 22-10-2016	
<b>VIII</b>	61322	Biotechnological Aspects in Plant Protection	Tuesday 25-10-2016	
	61323	Practical-III	Internal Exam	
	61324	Practical-VI		

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

**Exam Center :- Kolhapur, Arjunnagar**

		<b>Branch Code - AGRO CHEMICAL &amp; PEST MANAGEMNT ( C.B.C.S.)</b> From Oct. 2014		
		<b>Part II :- Sem.-III</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
<b>IX</b>	64176	Pesticide Residues And Toxicology	Monday 17-10-2016	From 2.30 PM To 5.30 PM
<b>X</b>	64173	Pests of Crops Plants & Their Control – I	Wednesday 19-10-2016	
<b>XI</b>	64174	Analysis of Agrochemicals	Friday 21-10-2016	
<b>XII</b>	64175	Diseases of Crop Plants – I	Monday 24-10-2016	
	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. ]**

		<b>Branch Code - AGRO CHEMICAL &amp; PEST MANAGEMNT ( C.B.C.S.)</b> From April-2015		
		<b>Part II :- Sem.-IV</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
<b>XIII</b>	65025	Agro-based Marketing Management	Tuesday 18-10-2016	From 2.30 PM To 5.30 PM
<b>XIV</b>	65026	Pests Of Crop Plants And Their Control- II	Thursday 20-10-2016	
<b>XV</b>	65027	Manufacture Of Agrochemicals	Saturday 22-10-2016	
<b>XVI</b>	65028	Diseases Of Crop Plants- II	Tuesday 25-10-2016	
	65029	Practical VII -Chemistry	Internal Exam	
	65030	Practical VIII-Life Science		

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

**Exam Center :- Karad**

		<b>Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]</b>	<b>From Oct. 2013</b>	
		Part I :- Sem.-I		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
I	59658	Morphology, Cytology & Taxonomy of Microorganism	Friday 4-11-2016	From 10.30 AM To 1.30 PM
II	59659	Virology	Monday 7-11-2016	
III	59660	Genetics & Molecular Biology	Wednesday 9-11-2016	
IV	59661	Immunology	Friday 11-11-2016	
	59662	Practical I	Internal Exam	
	59663	Practical II		

		<b>Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]</b>	<b>From April-2014</b>	
		Part I :- Sem.-II		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
V	61404	Technique in Microbiology	Monday 17-10-2016	From 2.30 PM To 5.30 PM
VI	61405	Microbial Physiology Biochemistry & Metabolism	Wednesday 19-10-2016	
VII	61406	Medical Microbiology & Immunology – II	Friday 21-10-2016	
VIII	61407	Microbial Ecology	Monday 24-10-2016	
	61408	Practical III	Internal Exam	
	61409	Practical IV		

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

**Exam Center :- Karad**

		<b>Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]</b>	<b>From Oct. 2014</b>	
		Part II :- Sem.-III		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
IX	64203	Biostatistics, Bioinformatics & Scientific Writing	Saturday 5-11-2016	From 10.30 AM To 1.30 PM
X	64204	Enzymology & Enzyme Technology	Tuesday 8-11-2016	
XI	64205	Microbial Technology	Thursday 10-11-2016	
XII	64206	Microbial Diversity & Extremophiles	Saturday 12-11-2016	
	64207	Practical – V	Internal Exam	
	64208	Practical –VI		

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

		<b>Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]</b>	<b>From April-2015</b>	
		Part II :- Sem.-IV		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
XIII	65094	Food and Dairy Microbiology	Tuesday 18-10-2016	From 2.30 PM To 5.30 PM
XIV	65095	Fermentation Technology	Thursday 20-10-2016	
XV	65096	Industrial waste management	Saturday 22-10-2016	
XVI	65097	Recombinant DNA Technology	Tuesday 25-10-2016	
	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	PAPER TIME
I	60805	Anatomy, Cytology & Taxonomy of Microorganisms	Thursday 3-11-2016	From 10.30 AM To 1.30 PM
II	60806	Virology	Saturday 5-11-2016	
III	60807	Bimolecules & Bioenergetics	Monday 7-11-2016	
IV	60808	Genetics	Wednesday 9-11-2016	
	60809	Practical I	Internal Exam	
	60810	Practical II		

		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	Thursday 3-11-2016	From 2.30PM To 5.30PM
VI	61545	Molecular Biology	Saturday 5-11-2016	
VII	61546	Microbial Biochemistry	Monday 7-11-2016	
VIII	61547	Immunology	Wednesday 9-11-2016	
	61548	Practical III	Internal Exam	
	61549	Practical IV		

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

**Exam Center :- Satara**

		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	Friday 4-11-2016	From 10.30 AM To 1.30 PM
X	64198	Biostatistics, Bioinformatics and Scientific Writing	Tuesday 8-11-2016	
XI	64199	Gene Manipulation and Tissue Culture Technology	Thursday 10-11-2016	
XII	Paper No. XII :- Choose Any One Of The Following Paper			
	64200	Medical and Pharmaceutical Microbiology	Saturday 12-11-2016	Internal Exam
	64828	Mycology		
	64201	Practical V :- ( Ecology & Extremophiles & Biostat, Scientific Writing )		
	64202	Practical VI :- ( Immunology & Genetic Engineering )		
		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	Friday 4-11-2016	From 2.30PM To 5.30PM
XIV	65014	Bioprocesses	Tuesday 8-11-2016	
XV	65106	Food and Agricultural Technology	Thursday 10-11-2016	
XVI	Paper No. XVI :- Choose Any One Of The Following Paper			
	65015	Industrial Waste Management and Microbial	Saturday 12-11-2016	Internal Exam
	65016	Quality Management System In Industry		
	65017	Practical Course - VII		
	65018	Practical Course – VIII (Project work)		

## M.Sc. GEOLOGY

**Exam Center :- Kolhapur**

		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	Friday 14-10-2016	From 10.30 AM To 1.30 PM
II	59620	Igneous Petrology	Monday 17-10-2016	
III	59621	Metamorphic Petrology	Wednesday 19-10-2016	
IV	59622	Sedimentary Petrology	Friday 21-10-2016	
	59623	Practical I	Internal Exam	
	59624	Practical II		

## M.Sc. GEOLOGY

		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	Friday 14-10-2016	From 2.30 PM To 5.30 PM
VI	61551	Stratigraphy and Paleontology	Monday 17-10-2016	
VII	61552	Economic Geology	Wednesday 19-10-2016	
VIII	61553	Remote Sensing and Geomorphology	Friday 21-10-2016	
	61554	Practical III	Internal Exam	
	61555	Practical IV		

## M.Sc. GEOLOGY

**Exam Center :- Kolhapur**

		Branch Code - GEOLOGY	From Oct. 2014	
		Part II:- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	63201	Hydrogeology	Saturday 15-10-2016	From 10.30 AM To 1.30 PM
X	63202	Geophysics and Exploration Methods	Tuesday 18-10-2016	
XI	63203	Geochemistry	Thursday 20-10-2016	
XII	Paper No. XII :- Choose Any One of the Following		Saturday 22-10-2016	
	63204	Gemmology & Industrial Mineralogy		
	63205	Mining Geology and Mineral Economics		
	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	Saturday 15-10-2016	From 2.30 AM To 5.30 PM
XIV	63211	Natural Resource Management	Tuesday 18-10-2016	
XV	63212	Environmental Geology	Thursday 20-10-2016	
XVI	63213	Dissertation / Institutional Training	Internalcollege Exam	
	63214	Practical-VII Based on Paper-XIII	Internal Exam	
	63215	Practical-VIII Based on Paper-XIV		

**N. B.**

1. Candidates are requested to be present at their respective places of Examination 15 MINUTES before the time scheduled for the starting of the First Paper.
2. The Candidates should write answers **In Blue Ink** Only.
3. 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
4. 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.
5. Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
6. Examinee should confirm/Verify the customized time table printed on his/her hall ticket with the **Final Exam Programme** of examination sent to his/her Department /College and also available on University **web-site [www.unishivaji.ac.in](http://www.unishivaji.ac.in)** atleast two days prior to date of Examination.

**Vidyanagar,**

Kolhapur-416004

Date :- 01-09-2016

**Shri. M.A. Kakade**

**Controller of Examinations**