



## SHIVAJI UNIVERSITY, KOLHAPUR.

Circular No.754 Exam. Oct/Nov 2017

Draft  
Programme For  
M. Sc. (CBCS)  
Oct/Nov 2017 Exam

Draft 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, Micro biology (CBCS- R), Applied Microbiology, Subject) Choose Base Credit System & Geology Exam.

[ C.B.C.S.] Examination to be held in Oct/Nov 2017

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

Sr. No	Center	College/Dept. Code	Exam	Places
01	KOLHAPUR	541 to 546 548,552,553 555 to 557 578	M.Sc.(Zoology, Computer Sci., Chemistry(All Branches) Botany, Electronics, 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 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	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 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. Vasantao 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,	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 )	Raje Ramrao Mahavidyalaya Jath Dist Sangli

## 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	Wednesday 1-11-2017	From 10.30AM To 1.30 PM
II	59845	Ecology & Environmental Pollution	Friday 3-11-2017	
III	59846	Cell & Molecular Biology	Tuesday 7-11-2017	
IV	59847	Applied Entomology	Thursday 9-11-2017	
	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	Thursday 2-11-2017	From 2.30PM To 5.30 PM
VI	61387	Quantitative Biology & Tools and Techniques in Biology	Monday 6-11-2017	
VII	61388	Elements of Physiology	Wednesday 8-11-2017	
VIII	61389	Biology of Parasites	Friday 10-11-2017	
	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	Thursday 2-11-2017	From 10.30AM To 1.30 PM
X	64146	Enzymology	Monday 6-11-2017	
PAPER NO. XI – CHOOSE ANY ONE OF THE FOLLOWING				
PAPER NO. XI	64149	Computational Molecular Biology	Wednesday 8-11-2017	From 10.30AM To 1.30 PM
	64150	Animal Physiology		
	64151	Basic Entomology		
	64152	Fisheries Resources – Inland and Marine Fisheries		
	64157	General Sericulture and Moriculture		
PAPER NO. XII – CHOOSE ANY ONE OF THE FOLLOWING				
PAPER NO. XII	64153	Molecular Biology of Gene	Friday 10-11-2017	From 10.30AM To 1.30 PM
	64154	Applied Physiology		
	64155	Agricultural Entomology		
	64156	Fish Pathology & Reproductive Endocrinology		
	64158	Silkworm Biology & Rearing Technology		
CBCS Elective Paper From Oct. 2015	65761	Applied Zoology	Monday 13-10-2017	From 10.30AM To 1.30 PM
	64147	PRACTICAL V	Internal Exam	
	64148	PRACTICAL VI		

Exam Center :- 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	PAPER TIME
XIII	65108	Animal Cells in Biotechnology	Wednesday 1-11-2017	From 2.30PM To 5.30PM
XIV	65109	Toxicology and Immunology	Friday 3-11-2017	
Paper No. – Paper – XV Choose Any one of the following (Optional)				
Paper – NO XV	65112	Cell in differentiation, development and specialization	Tuesday 7-11-2017	From 2.30PM To 5.30PM
	65113	Physiology of Health		
	65114	Insect Anatomy and Physiology		
	65115	Aquaculture practices		
	65181	Cytogenetics and breeding of silkworm & Host Plants		
Paper No. – Paper – XVI Choose Any one of the following (Optional)				
Paper – NO XVI	65116	Cell Pathology	Thursday 9-11-2017	From 2.30PM To 5.30PM
	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 11-11-2017	From 2.30PM To 5.30PM
	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	PAPER TIME
I	59752	Theory of Languages	Thursday 26-10-2017	From 2.30 PM To 5.30 PM
II	59753	Advanced Computer Networks	Saturday 28-10-2017	
III	59754	Advanced Database Theory	Tuesday 31-10-2017	
IV	59755	Design & Analysis of Algorithms	Thursday 2-11-2017	
V	60850	Web Designing	Monday 6-11-2017	
	59756	Lab I	Internal Exam	
	59757	Lab II		

		Branch Code - COMPUTER SCIENCE ( C.B.C.S.)	From April-2014	
		Part I :- Sem II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
VI	61307	Compiler Techniques	Thursday 26-10-2017	From 10.30AM To 1.30 PM
VII	61308	Artificial Intelligence	Saturday 28-10-2017	
VIII	61309	Java Programming	Tuesday 31-10-2017	
IX	61507	Software Engineering	Thursday 2-11-2017	
PAPER NO. X – Choose Any One Of The Following				
X	61310	Data Ware House	Monday 6-11-2017	
X	61741	Network Security		
X	61742	Parallel Computing		
X	61743	Computer Architecture		
	61311	Lab - III	Internal Exam	
	61312	Lab - IV		

## 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. 2014		
		Part II :- Sem III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	63731	Internet Programming	Friday 27-10-2017	From 2.30 PM To 5.30 PM
XII	63732	Computer Graphics	Monday 30-10-2017	
XIII	Paper NoXIII.- Choose Any one of the following		Wednesday 01-11-2017	
	63733	Cloud computing		
	63734	Distributed O.S.		
	63735	Data Mining		
	63736	Open Source Software's		
XIV	63737	Software Project Management (CBCS)	Friday 3-11-2017	
	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	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59821-AppliedChemistry(SUK) 59803-Chemistry	* Inorganic Chemistry – I	Monday 23-10-2017	From 10.30AM To 1.30 PM
II	59822-AppliedChemistry(SUK) 59804-Chemistry	* Organic Chemistry – I	Wednesday 25-10-2017	
III	59823-AppliedChemistry(SUK) 59805-Chemistry	* Physical Chemistry – I	Friday 27-10-2017	
IV	59824-AppliedChemistry(SUK) 59806-Chemistry	* Analytical Chemistry – I	Monday 30-10-2017	
	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 Branch of Physical Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Applied Chemistry

## 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	PAPER CODE	P A	DAY & DATE	PAPER TIME
V	61375-AppliedChemistry(SUK) 61357- Chemistry	* Inorganic Chemistry – II	Thursday 2-11-2017	From 10.30AM To 1.30 PM
VI	61376- AppliedChemistry(SUK) 61358- Chemistry	* Organic Chemistry – II	Friday 3-11-2017	
VII	61377- AppliedChemistry(SUK) 61359- Chemistry	* Physical Chemistry – II	Monday 6-11-2017	
VIII	61378-AppliedChemistry(SUK) 61360 Chemistry	* Analytical Chemistry – II	Tuesday 7-11-2017	
	61379-AppliedChemistry(SUK) 61361- Chemistry	Practical - III	Internal Exam	
	61380-AppliedChemistry(SUK) 61362- Chemistry	Practical - IV		

Note - \* This Indicates Sem I & II Common paper to all the 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	Tuesday 24-10-2017	From 10.30AM To 1.30 PM
X	61068	Electrochemistry	Thursday 26-10-2017	
XI	61069	Molecular Structure – I	Saturday 28-10-2017	
PAPER NO. XII :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
Paper No. XII-	61070	Solid State Chemistry	Tuesday 31-10-2017	
	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	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	61417	Chemical Kinetics	Friday 3-11-2017	
XV	61418	Molecular Structure II	Monday 6-11-2017	
PAPER NO. XVI :- CHOOSE ANY ONE OF THE FOLLOWING PAPER				
	61419	Surface Chemistry	Tuesday 7-11-2017	
	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 24-10-2017	From 10.30 AM To 1.30 PM
X	61049	Organo Analytical Chemistry	Thursday 26-10-2017	
XI	61050	Electro-Analytical Techniques in chemical Analysis	Saturday 28-10-2017	
Paper No.XII- Choose Any One	61051	Environmental chemical Analysis & Control	Tuesday 31-10-2017	
	61052	Recent Advance in Analytical chemistry		
	64629	Chemical Analysis in Agro, Food and Pharmaceutical Industries		
	61053	Practical - V	Internal Exam	
	61054	Practical - VI		

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

		Branch Code - ANALYTICAL CHEMISTRY ( C.B.C.S.)		From April-2015
		Part II :- Sem. - IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61527	Modern Separation method in Analysis	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	61528	Organic Industrial Analysis	Friday 3-11-2017	
XV	61529	Advanced Methods in Chemical Analysis	Monday 6-11-2017	
Paper No. XVI- Choose any One	61530	Applied Analysis Chemistry	Tuesday 7-11-2017	
	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,

		Branch Code - INORGANIC CHEMISTRY ( C.B.C.S.)		From Oct. 2014
		Part II :- Sem.- III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	60832	Inorganic Chemical Spectroscopy	Tuesday 24-10-2017	From 10.30 AM To 1.30 PM
X	60833	Coordination Chemistry-I	Thursday 26-10-2017	
XI	60834	Nuclear Chemistry	Saturday 28-10-2017	
Paper No.XII- Choose Any One	60835	Environmental Chemistry	Tuesday 31-10-2017	
	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	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	61425	Co-Ordination Chemistry –II	Friday 3-11-2017	
XV	61426	Chemistry of Inorganic Materials	Monday 6-11-2017	
Paper No XVI- Choose Any One	61427	Separation Science	Tuesday 7-11-2017	
	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 April-2015
		Branch Code - ORGANIC CHEMISTRY (C.B.C.S.)		
		Part II :- Sem. III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	60840	Organic Reaction Mechanism	Tuesday 24-10-2017	From 10.30 AM To 1.30 PM
X	60841	Advanced Spectroscopic Methods	Thursday 26-10-2017	
XI	60842	Advanced Synthetic Methods	Saturday 28-10-2017	
Paper No. XII- Choose Any One	60843	Drugs and Heterocycles	Tuesday 31-10-2017	
	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	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	61431	Stereochemistry	Friday 3-11-2017	
XV	61432	Chemistry of Natural Products	Monday 6-11-2017	
Paper No. XVI- Choose Any	61433	Applied Organic Chemistry	Tuesday 7-11-2017	
	61536	Computational Chemistry		
	64647	Bio-organic Chemistry		
	61434	Practical - VII	Internal Exam	
	61435	Practical - VIII		

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

Exam Center :- Kolhapur, Ichalkaraji, Kadegaon, Satara

		Branch Code - BOTANY (C.B.C.S.)		From Oct. 2013
		Part I :- Sem. I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59601/59809	Pre-requisite Course	Thursday 2-11-2017	From 10.30AM To 1.30 PM
II	59602/59810	Biology & Diversity of Fungi, Algae and Bryophytes	Monday 6-11-2017	
III	59603/59811	Plant Ecology	Wednesday 8-11-2017	
IV	59604/59812	Biology & Diversity of Pteridophytes Gymnosperms & Paleobotany	Friday 10-11-2017	
	59813	Practical - I	Internal Exam	
	59814	Practical - II		

		Branch Code - BOTANY (C.B.C.S.)		From April-2014
		Part I :- Sem. II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61363	Cell and Molecular Biology	Friday 3-11-2017	From 10.30AM To 1.30 PM
VI	61364	Angiosperm Systematics	Tuesday 7-11-2017	
VII	61365	Plant Pathology	Thursday 9-11-2017	
VIII	61366	Plant Structure, Development & Reproduction	Saturday 11-11-2017	
	61367	Practical - III	Internal Exam	
	61368	Practical - IV		



**M.Sc. Botany [ C.B.C.S.]****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
IX	63255	Cytogenetic & Crop Improvement	Thursday 26-10-2017	From 2.30 PM To 5.30 PM
X	63256	Biotechnology and Genetic Engineering	Saturday 28-10-2017	
PAPER NO.- XI – CHOOSE ANY ONE OF THE FOLLOWING				
XI	63257	Plant Physiology – I	Monday 30-10-2017	From 2.30 PM To 5.30 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 1-11-2017	From 2.30 PM To 5.30 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	Tuesday 7-11-2017	From 2.30 PM To 5.30 PM
	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	Friday 27-10-2017	From 2.30 PM To 5.30 PM
XIV	65121	Biodiversity, conservation and utilization	Tuesday 31-10-2017	
PAPER NO.- XV – CHOOSE ANY ONE OF THE FOLLOWING				
XV	63275	Plant Physiology-III	Thursday 2-11-2017	From 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	Monday 6-11-2017	From 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	Wednesday 8-11-2017	
	63293	PRACTICAL- VII	Internal Exam	
	63294	PRACTICAL- VIII		

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

Exam Center :- Kolhapur, Sangli

		Branch Code - ELECTRONICS (C.B.C.S.)	From Oct. 2013	
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59795	Audio and Video Engineering	Wednesday 1-11-2017	From 10.30AM To 1.30 PM
II	59796	Foundation of Microwave Technology	Friday 3-11-2017	
III	59797	Computer Organisation	Monday 6-11-2017	
IV	59798	Foundations of Power electronics	Wednesday 8-11-2017	
	59799	Mathematical Techniques – I	Internal Exam	
	59800	Practicals - I		
	59801	Practical s- II		

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

Exam Center :- Kolhapur, Sangli, Satara.

		Branch Code - ELECTRONICS ( C.B.C.S.)		From April-2014
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61349	Digital Communication	Wednesday 1-11-2017	From 2.30 PM To 5.30 PM
VI	61350	Advanced Microwave Technology	Friday 3-11-2017	
VII	61351	Advanced Power Electronics	Monday 6-11-2017	
VIII	61352	Optoelectronics	Wednesday 8-11-2017	
	61353	Technical Writing	Internal Exam	
	61354	Practicals - III		
	61355	Practicals - IV		

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

Exam Center :- Kolhapur, Sangli

		Branch Code - ELECTRONICS (C.B.C.S.)		From Oct. 2014
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64135	Control Theory	Thursday 2-11-2017	From 10.30 AM To 1.30 PM
X	64136	Computer Networks	Tuesday 7-11-2017	
PAPER NO.- XI & XII - CHOOSE ANY TWO OF THE FOLLOWING				
	64137	Microcontroller System Design and ARM Architecture	Thursday 9-11-2017	From 10.30 AM To 1.30 PM
	64138	Electronic Fuzzy Systems	Saturday 11-11-2017	
	64139	Satellite Communication	Monday 13-11-2017	
	64140	Industrial Automation	Wednesday 15-11-2017	
	66447	Signals Systems	Friday 17-11-2017	
	66448	Instrumentation	Monday 20-11-2017	
	66449	VHDL Programming	Wednesday 22-11-2017	
	66450	Mechatronics	Friday 24-11-2017	
	64142	Practicals V	Internal Exam	
	64143	Practicals VI		

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

		Branch Code - ELECTRONICS ( C.B.C.S.)		From April-2015
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	64906	Digital Signal Processing	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	64907	Analog and Digital Circuit Design	Tuesday 7-11-2017	
XV	PAPER NO.- XV - CHOOSE ANY TWO OF THE FOLLOWING			
	64909	ARM Programming and Embedded Communication	Thursday 9-11-2017	From 2.30 PM To 5.30 PM
	64910	Advanced Microcontroller and RTOS	Saturday 11-11-2017	
	64911	Cellular Mobile Communications	Monday 13-11-2017	
	64912	Electronic Neural Networks	Wednesday 15-11-2017	
	64913	Advanced Drives	Friday 17-11-2017	
	64914	Antennas	Monday 20-11-2017	
	64915	FPGA Based Systems	Wednesday 22-11-2017	
	64908	Project	Internal Exam	

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

Exam Center:- Kolhapur

		Branch Code - APPLIED CHEMISTRY ( C.B.C.S.)		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61061	Applied Inorganic Chemistry – I	Tuesday 24-10-2017	From 10.30 AM To 1.30 PM
X	61062	Applied Organic Chemistry – I	Thursday 26-10-2017	
XI	61063	Applied Physical Chemistry – I	Saturday 28-10-2017	
XII	61064	Advanced Organic Chemistry – I	Tuesday 31-10-2017	
	61065	Practical - V	Internal Exam	
	61066	Practical - VI		

		Branch Code - APPLIED CHEMISTRY ( C.B.C.S.)		
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	61410	Applied Inorganic Chemistry – II	Thursday 2-11-2017	From 2.30 PM To 5.30 PM
XIV	61411	Applied Organic Chemistry – II	Friday 3-11-2017	
XV	61412	Advanced Organic Chemistry – II	Monday 6-11-2017	
XVI	61413	Inorganic Chemical Industries	Tuesday 7-11-2017	
	61414	Practical - VII	Internal Exam	
	61415	Practical - VIII		

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

Exam Center :- Kolhapur

		Branch Code - INDUSTRIAL CHEMISTRY ( C.B.C.S.)		
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59918	Introduction to Chemical Engg. – I	Monday 23-10-2017	From 10.30AM To 1.30 PM
II	59919	General Chemical Technology – I	Wednesday 25-10-2017	
III	59920	Selected Topics in Organic Chemistry	Friday 27-10-2017	
IV	59921	Introduction to Environmental Pollution	Monday 30-10-2017	
	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	Thursday 2-11-2017	From 10.30AM To 1.30 PM
VI	61399	General Chemical Technology – II	Friday 3-11-2017	
VII	61400	Selected Topics in Inorganic Chemistry	Monday 6-11-2017	
VIII	61401	Instrumental Methods of Analysis	Tuesday 7-11-2017	
	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 24-10-2017	From 10.30AM To 1.30 PM
X	60818	Inorganic Chemical Industries – I	Thursday 26-10-2017	
XI	60819	Methods of Analysis in Industries	Saturday 28-10-2017	
XII	60820	Water Pollution	Tuesday 31-10-2017	
	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	Thursday 2-11-2017	From 2..30PM  To 5.30 PM
XIV	61522	Inorganic Chemical Industries – II	Friday 3-11-2017	
XV	61523	Selected Topics Industrial Chemistry	Monday 6-11-2017	
XVI	61524	Soil and radioactive Pollution	Tuesday 7-11-2017	
	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
Paper No. I :- Choose Any One Of the Following				
I	59789-Microbiology/Pharmaceutical Microbiology 59777-Biochemistry 59815-Biotechnology 59852-Enviornmental- Biotechnology	* Cell Biology, Microbiology and Virology	Thursday 23-11-2017	From 10.30AM To 1.30 PM
	64041	Cell Biochemistry		
II	59790-Microbiology/Pharmaceutical Microbiology 59778-Biochemistry 59816--Biotechnology 59853- Enviornmental- Biotechnology	* Protein – Structure & Function	Saturday 25-11-2017	
	III	59791- Microbiology/Pharmaceutical Microbiology 59779-Biochemistry 59817--Biotechnology 59854- Enviornmental- Biotechnology	* Biomolecules	
IV		59792-Microbiology/Pharmaceutical Microbiology 59780-Biochemistry 59818--Biotechnology 59855- Enviornmental- Biotechnology	* Biostatistics and Bioinformatics with Computer Orientation	
	59781-Biochemistry 59793- Microbiology/ Pharmaceutical Microbiology 59819-biotechnology 59856- Environmental Biotechnology	Practical - I	Internal Exam	
	59782- Biochemistry 59794- Microbiology/ Pharmaceutical Microbiology 59820- Biotechnology 59857- Environmental Biotechnology	Practical - II		

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

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

Exam Center :- Kolhapur

		Branch Code - HORIZONTAL MOBILIGY ( C.B.C.S.) From April-2014		
		Part I :- Sem.-II		
PAPER	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61331- Biochemistry /61369 -Biotechnology /61392 -Environmental Biotechnology 61343 -Microbiology/PharamaceuticalMicrobiology	* Enzymology	Monday 13-11-2017	From10.30AM To 1.30 PM
VI	61332 -Biochemistry  61370 -Biotechnology 61393-Environmental Biotechnology /61344-Microbiology/PharamaceuticalMicrobiology	* Molecular Biology	Wednesday 15-11-2017	
VII	61333- Biochemistry  61371-Biotechnology 61394-Environmental Biotechnology 61345-Microbiology/PharamaceuticalMicrobiology	* Bioenergetics	Friday 17-11-2017	
VIII	61334- Biochemistry  61372-Biotechnology 61395-Environmental Biotechnology 61346-Microbiology/PharamaceuticalMicrobiology	*Tools & Techniques in Bioscience	Tuesday 21-11-2017	
	61335 – Biochemistry 61347- Microbiology/ Pharnaceutical Microbiology 61373- Biotechnology 61396- Environmental Biotechnology	Practical - III	Internal Exam	
	61336 – Biochemistry 61348- Microbiology/ Pharnaceutical Microbiology 61374- Biotechnology 61397- Environmental Biotechnology	Practical - IV		

Note :- { \* Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & Microbiology Pharnaceutical 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	* Genetic Engineering	Friday 24-11-2017	From 10.30AM To 1.30 PM
X	64160	Biomembrances & Cytoskeleton	Monday 27-11-2017	
XI	Paper No. XI- Choose Any One of the Following		Wednesday 29-11-2017	
	64181-Biotechnology 64161-Biochemistry 64188-Environmental Biotechnolgy 63244-Microbiology	* Fermentation Technology – I		
	64649	Clinical Biochemistry – I		
	64650	Biochemical and Environmental Toxicology – I		
XII	Paper No. XII - Choose Any One of the Following		Saturday 2-12-2017	
	64162-Biochemistry 64654- Microbiology 64652 Biotechnology 64186-Environmental Biotechnolgy	\$ Immunochemistry		
	64651-Biochemistry 64180-Biotechnology 64653 Environmental Biotechnolgy 63246-Microbiology	** 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-
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65085	Neurochemistry	Tuesday 14-11-2017	From 10.30AM To 1.30 PM
XIV	65086	Carcinogenesis and Cell Signaling	Thursday 16-11-2017	
XV	63251-Microbiology 65088-Biochemistry 65197-Biotechnology	*Bioinformatics	Monday 20-11-2017	
XVI	Paper No. XVI - Choose Any One of the Following		Wednesday 22-11-2017	
	65087	Medical and Environmental Biochemistry		
	65089-Biochemistry 65131 Environmental Biotechnolgy	\$ 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	* Genetic Engineering	Friday 24-11-2017	From 10.30 AM To 1.30 PM
X	64182	Plant Biotechnology	Monday 27-11-2017	
XI	64181-Biotechnology 64188- Enviromental Biotechnology 64161- Biochemistry 63244- Microbiology	*Fermentation Technology – I	Wednesday 29-11-2017	
XII	64180- Biotechnology 64651- Biochemistry 64653- Enviromental Biotechnology 63246- Microbiology	**Immunology	Saturday 2-12-2017	
	64652 Biotechnology 64654 Microbiology 64162-Biochemistry 64186-Environmental Biotechnology	\$ Immunochemistry		
	64183	Laboratory Course V	Internal Exam	
	64184	Laboratory Course VI		

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

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

\$ Common paper with 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	65769	Animal Tissue Culture (Revised)	Thursday 14-11-2017	From 10.30 AM To 1.30 PM
XIV	65080	**Advances in Genomics and Proteomics	Wednesday 22-11-2017	From 2.30 PM To 5.30 PM
XV	65081	Advances in Plant Biotechnology	Thursday 16-11-2017	From 10.30 AM To 1.30 PM
Choose Any One of the Following				
XVI	65082	Industrial Organization and Management	Monday 20-11-2017	From 2.30 PM To 5.30 PM
New( From March 2016)	65773	Nanobiotechnology		
XIV	65088- Biochemistry 63251- Microbiology 65197- Biotechnology	*Bioinformatics		From 10.30 AM To 1.30 PM
	65089- Biochemistry 65131 Enviromental Biotechnology	\$ Fermentation Technology II	Wednesday 22-11-2017	From 10.30 AM To 1.30 PM
	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- EnvironmentalBiotechnology 64159-Biochemistry 64179-Biotechnology 63243-Microbiology	*Genetic Engineering	Friday 24-11-2017	From10.30AM To 1.30 PM
X	64187	Basics of Ecology, Ecotoxicology and Ecochemistry	Monday 27-11-2017	
XI	64188- EnvironmentalBiotechnology 64161- Biochemistry 64181-Biotechnology 63244-Microbiology	*Fermentation Technology – I	Wednesday 29-11-2017	
XII	Choose Any One of the Following			
	64186-EnvironmentalBiotechnology 64654-Microbiology 64162-Biochemistry 64652-Biotechnology	\$ Immunochemistry	Saturday 2-12-2017	
	64653-Environmental Biotechnology 64180-Biotechnology 63246-Microbiology 64651-Biochemistry	** 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.]

		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 14-11-2017	From10.30AM To 1.30 PM
XIV	65129	Environmental Biotechnology	Thursday 16-11-2017	
XV	65130	Biodiversity, IPR Biosafety & Bioethics	Monday 20-11-2017	
XVI	65131-Environmenta Biotechnology 65089-Biochemistry	\$ Fermentation Technology – II	Wednesday 22-11-2017	
	65080	** Advances in Genomics & Proteomics	Wednesday 22-11-2017	From 2.30PM  To  5.30PM
	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	*Genetic Engineering	Friday 24-11-2017	From 10.30AM To 1.30 PM
X	63245-Microbiology 69584-Pharmaceutical Microbiology	#Microbial Diversity & Extremophiles	Monday 27-11-2017	
	63244-Microbiology 64181-Biotechnology 64161-Biochemistry 64188- Environmental Biotechnology	*Fermentation Technology - I	Wednesday 29-11-2017	
XII	Choose Any One of the Following			
	64654-Microbiology 64186- Environmental Biotechnology 64162-Biochemistry	\$ Immunochemistry	Saturday 2-12-2017	
	63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry	** 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  
 # common paper with Pharmaceutical Microbiology

## 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 14-11-2017	From 10.30AM To 1.30 PM
XIV	65088-Biochemistry 63251-Microbiology 65197-Biotechnology	*Bioinformatics	Monday 20-11-2017	
XV	63250	Microbial Fermentation Technology	Thursday 16-11-2017	
XVI	63252	Medical Microbiology	Wednesday 22-11-2017	
	63253	Laboratory Course VII	Internal Exam	
	63254	Laboratory Course VIII		

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

## 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	Friday 24-11-2017	From 10.30AM To 1.30PM
X	69584	Pharmaceutical Microbiology	Wednesday 29-11-2017	
XI	69585-Pharmaceutical Microbiology 63245-Microbiology	#Microbial Diversity and Extremophiles	Monday 27-11-2017	
XII	69586- Pharmaceutical Microbiology 63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry	** Immunology	Saturday 2-12-2017	
	69587	Laboratory Course - V	Internal Exam	
	69588	Laboratory Course - VI		

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

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

# common paper with Microbiology

## M.Sc. 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	Wednesday 8-11-2017	From10.30AM To 1.30 PM
II	59765	Soil Science Fertilizers and Micronutrients	Friday 10-11-2017	
III	59766	Introductory and Industrial Entomology	Monday 13-11-2017	
IV	59767	Crop Diseases and Weeds	Wednesday 15-11-2017	
	59768	Practical I	Internal Exam	
	59769	Practical II		

		Branch Code - AGROCHEMICAL & PEST MANAGEMNT (C.B.C.S.) From April-2014		
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61319	Chemistry of Pesticides and their Formulations - II	Thursday 9-11-2017	From10.30 AM To 1.30 PM
VI	61320	Analytical Techniques for Agrochemicals	Saturday 11-11-2017	
VII	61321	Economic Entomology	Tuesday 14-11-2017	
VIII	61322	Biotechnological Aspects in Plant Protection	Thursday 16-11-2017	
	61323	Practical-III	Internal Exam	
	61324	Practical-VI		

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

Exam Center:- Kolhapur, Arjunnagar

		Branch Code - AGROCHEMICAL & PESTMANAGEMNT (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 8-11-2017	From 2.30 PM  To  5.30 PM
X	64173	Pests of Crops Plants & Their Control – I	Friday 10-11-2017	
XI	64174	Analysis of Agrochemicals	Monday 13-11-2017	
XII	64175	Diseases of Crop Plants – I	Wednesday 15-11-2017	
	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 & PESTMANAGEMNT (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	Thursday 9-11-2017	From 2.30 PM  To  5.30 PM
XIV	65026	Pests Of Crop Plants And Their Control- II	Saturday 11-11-2017	
XV	65027	Manufacture Of Agrochemicals	Tuesday 14-11-2017	
XVI	65028	Diseases Of Crop Plants and Their Control -II	Thursday 16-11-2017	
	65029	Practical VII -Chemistry	Internal Exam	
	65030	Practical VIII-Life Science		

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

Exam Center :- Karad

		Branch Code - MICROBIOLOGY (Regu.) [ C.B.C.S.- R]		From Oct. 2013
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59658	Morphology, Cytology & Taxonomy of Microorganism	Thursday 23-11-2017	From 10.30AM  To  1.30 PM
II	59659	Virology	Saturday 25-11-2017	
III	59660	Genetics & Molecular Biology	Monday 27-11-2017	
IV	59661	Immunology	Wednesday 29-11-2017	
	59662	Practical I	Internal Exam	
	59663	Practical II		

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

Exam Center :- Karad

		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 13-11-2017	From 2.30PM To 5.30 PM
VI	61405	Microbial Physiology Biochemistry & Metabolism	Wednesday 15-11-2017	
VII	61406	Medical Microbiology	Friday 17-11-2017	
VIII	61407	Microbial Ecology	Monday 20-11-2017	
	61408	Practical III	Internal Exam	
	61409	Practical IV		

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

Exam Center:- Karad

		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	Friday 24-11-2017	From 10.30AM To 1.30 PM
X	64204	Enzymology & Enzyme Technology	Tuesday 28-11-2017	
XI	64205	Microbial Technology	Thursday 30-11-2017	
XII	64206	Microbial Diversity & Extremophiles	Saturday 2-12-2017	
	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	Tuesday 14-11-2017	From 2.30PM To 5.30PM
XIV	65095	Fermentation Technology	Thursday 16-11-2017	
XV	65096	Industrial waste management	Tuesday 21-11-2017	
XVI	65097	Recombinant DNA Technology	Thursday 23-11-2017	
	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 23-11-2017	From 10.30AM To 1.30 PM
II	60806	Virology	Saturday 25-11-2017	
III	60807	Biomolecules & Bioenergetics	Monday 27-11-2017	
IV	60808	Genetics	Wednesday 29-11-2017	
	60809	Practical I	Internal Exam	
	60810	Practical II		

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

Exam Center :- Satara

		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 13-11-2017	From 2.30PM  To  5.30PM
VI	61545	Molecular Biology	Wednesday 15-11-2017	
VII	61546	Microbial Biochemistry	Friday 17-11-2017	
VIII	61547	Immunology	Monday 20-11-2017	
	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 24-11-2017	From 10.30AM To 1.30 PM
X	64198	Biostatistics, Bioinformatics and Scientific Writing	Tuesday 28-11-2017	
XI	64199	Gene Manipulation and Tissue Culture Technology	Thursday 30-11-2017	
XII	Paper No. XII :- Choose Any One Of The Following Paper			
	64200	Medical and Pharmaceutical Microbiology	Saturday 2-12-2017	
	64828	Mycology		
	64201	Practical V :- ( Ecology & Extremophiles & Biostat, Scientific Writing )	Internal Exam	
	64202	Practical VI :- (Immunology & Genetic Engineering)		

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

Exam Center :- Satara

		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	Tuesday 14-11-2017	From 2.30PM To 5.30 PM
XIV	65014	Bioprocesses	Thursday 16-11-2017	
XV	65106	Food and Agricultural Technology	Tuesday 21-11-2017	
XVI	Paper No. XVI :- Choose Any One Of The Following Paper			
	65015	Industrial Waste Management and Microbial	Thursday 23-11-2017	
	65016	Quality Management System In Industry		
	65017	Practical Course - VII	Internal Exam	
	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	Wednesday 1-11-2017	From 10.30AM To 1.30PM
II	59620	Igneous Petrology	Friday 3-11-2017	
III	59621	Metamorphic Petrology	Tuesday 7-11-2017	
IV	59622	Sedimentary Petrology	Thursday 9-11-2017	
	59623	Practical I	Internal Exam	
	59624	Practical II		



## M.Sc. GEOLOGY

Exam Center:- Kolhapur

		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	Wednesday 1-11-2017	From 2.30PM To 5.30 PM		
VI	61551	Stratigraphy and Paleontology	Friday 3-11-2017			
VII	61552	Economic Geology	Tuesday 7-11-2017			
VIII	61553	Remote Sensing and Geomorphology	Thursday 9-11-2017			
	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	Thursday 2-11-2017	From 10. 30AM  To  1.30PM		
X	63202	Geophysics and Exploration Methods	Monday 6-11-2017			
XI	63203	Geochemistry	Wednesday 8-11-2017			
XII	Paper No. XII :- Choose Any One of the Following		Friday 10-11-2017			
	63204	Gemmology & Industrial Mineralogy				
	63205	Mining Geology				
	63206	Marine Geology				
	63207	Geoinformatics	Internal Exam			
	63208	Practical V				
	63209	Practical VI				

## M.Sc. GEOLOGY

Exam Center:- Kolhapur

		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	Thursday 2-11-2017	From 2.30PM To 5.30 PM		
XIV	63211	Natural Resource Management	Monday 6-11-2017			
XV	63212	Environmental Geology	Wednesday 8-11-2017			
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.

- Candidates are instructed to be present at their respective places of Examination 15 MINUTES before the time scheduled for the starting of the First Paper.
- The Practical examination will be held after written examination. The Information regarding place, date and time of the Practical examination will be notified in the practical programme of the subject. Those who fail to present themselves at the practical examination on the scheduled date and time will not be examined in practical. The practical programme will be displayed on the notice board of the Department/College.
- The Examination Programme is subject to change. The candidates are advised to check the Final Examination programme. If there is any change in the examination programme the university is not responsible for the loss or inconvenience caused to the candidates.
- Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
- Examinee should confirm the customized time table printed on his/her hall ticket with the Final Programme of examination sent to his/her Department/College.
- The Written Examination will be conducted in the above order.

Vidyanagar,  
Kolhapur-416004  
Date :- 06/09 /2017

Shri. M. A. Kakade  
Director  
Board of Examinations and Evaluation