



**C . B . C . S .**

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*M.A./M.Sc. ( Maths & Geog. ),*

*&*

*M.Sc. Tech ( Maths ),*

*Exam*

**Revised Final PROGRAMME of**

**Oct/Nov-2016**

**SHIVAJI UNIVERSITY, KOLHAPUR.**  
**Circular No-(252) Exam. Of Oct/Nov-2016**

**Revised Final Programme** of the M.A./M.Sc.(Mathe.& Geo.),M.Sc (All Science Subject), M.C.A. & M.Sc. Tech (Math.) Choise Base Credit System

**1. [ C.B.C.S.] Examination to be held in Oct/Nov-2016. The Written Examination will be held at :-**

Sr. No	Center	College Code	Exam	Places
01	KOLHAPUR	549	M.A./M.Sc. Mathematics & M.Sc Tech Mathematics	Department of Mathematics, Shivaji University KOLHAPUR.
		573	M.A./M.Sc. Mathematics	Department of Distance Education, KOP
		547	M.sc Physics	Department of Physics, Shivaji University KOLHAPUR.
		550	M.Sc Statistics & Applied Statistics and Information	Department of Statistics, Shivaji University KOLHAPUR.
		551	M.Sc Environmental Science	Department of Enviromental Science, SUK
		571	M.Sc Food Science & Technology	Department of Food Science & Technology, SUK
		540	M.A./M.Sc Geography	Department of Geography, Shivaji University KOLHAPUR.
		1	M.A./M.Sc. Mathematics	Vivekanand College, KOLHAPUR
		50	M.A./M.Sc. Mathematics	Yashawantrao Chavan Warna Mahavidyalaya, WARNANAGAR
02	URUN ISLAMPUR	90	M.A./M.Sc. Mathematics	Karmveer Bhaurao Patil College, Urun – Islampur.
		88	M.Sc. Physics	Smt. Kusumtai Rajarambapu Patil, Kanya Mahavidyalaya
03	SANGLI	78	M.Sc. Physics	Smt. Kasturabi Walchand College of Arts & Science, Sangli.
		80	M.A./M.Sc. Mathematics	Willingdon College, SANGLI
		94	M.Sc. Physics	Raje Ramrao Mahavidyalaya, JATH
		92	M.A./M. Sc. Geography	Padm. Bhushan Dr. Vasantrodada Patil Mahavidyalaya, Tasgaon
04	KARAD	156	M.A./M. Sc. Geography, M.A./M.Sc. Mathematics,	Sadguru Gadage Maharaj College, KARAD
		153	M.A./M. Sc. Geography	Mahila Mahavidyalaya,KARAD
05	SATARA	259	M.A./M.Sc Geography	Chhatrapati Shivaji College, SATARA
		149	M.sc Physics, Statistics & M.A./M. Sc. Mathematics	Yashwantrao Chavan Institute of Science, SATARA.
		173	M.A./M.Sc Geography	Raja Shripatrao Bhagawantrao Mahavidyalaya, AUNDH

- 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.
- 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.
- The Examination Programme is subject to change. The candidates are advised to check the **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.
- The external candidates are requested to see their examination seat numbers as well as place of examination on the notice board of the University Office at least two days before the date of examination.
- 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 **Exam Programme** of examination sent to his/her Department.

Vidyanagar,  
Kolhapur – 416 004  
Date :- **05 October 2016**

Shri. M.A. Kakade  
Controller of Examinations

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

**Exam Center & College Code :- (Kolhapur-549,573,1 & 50 Sangli-80, Karad-156, Urun Islampur-90, Satara-149,)**

		<b>Branch Code - MATHEMATICS ( C.B.C.S. )</b>	From Oct. 2013			
		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	59827	Algebra – I	Friday- 04.11.2016	From 10.30 AM To 01.30 PM		
II	59828	Advanced Calculus	Wednesday- 09.11.2016			
IV	59830	Differential Equations	Monday- 07.11.2016			
III	59829	Real Analysis	Friday- 11.11.2016			
V	59831	Classical Mechanics	Tuesday- 15.11.2016			

		<b>Branch Code - MATHEMATICS ( C.B.C.S. )</b>	From April-2015			
		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>		
IX	61383	Complex Analysis	Tuesday- 08.11.2016	From 10.30 AM To 01.30 PM		
VII	61384	Numerical Analysis	Friday- 25.11.2016			
VI	61381	Liner Algebra	Monday- 21.11.2016			
VIII	61382	Topology	Thursday- 17.11.2016			
X	61385/65759	Differential Geometry	Saturday- 19.11.2016			

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

**Exam Center & College Code :- (Kolhapur-549,573,1 & 50 Sangli-80,Karad-156, Urun Islampur-90, Satara-149,)**

		<b>Branch Code - MATHEMATICS ( 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>	<b>PAPER TIME</b>
XI	63303	Functional Analysis	Saturday- 05.11.2016	From 02.30 PM To 05.30 PM
XII	63304	Advanced Discrete Mathematics	Tuesday- 25.10.2016	
<b>Paper No. – XIII, XIV &amp; XV – Choose any Three of the following</b>				
	63336	Integral Equation	Thursday- 10.11.2016	From 02.30 PM To 05.30 PM
	63308	Commutative Algebra – I	Tuesday- 22.11.2016	
	63316	Operation Research - I		
	63313	Lattice Theory & It Application – I	Thursday- 27.10.2016	
	63307	Number Theory		
	63314	Fuzzy Mathematics – I	Wednesday- 23.11.2016	
	63317	Dynamical Systems – I		
	63305	Fluid Dynamics - I	Monday- 28.11.2016	
	63312	Riemannian Geometry -I		
	63309	Approximation Theory	Wednesday- 16.11.2016	
	63315	General Relativity – I		

		<b>Branch Code - MATHEMATICS ( 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>
XVI	63326	Field Theory	Monday- 21.11.2016	From 02.30 PM To 05.30 PM
XVII	63319	Partial Differential Equations	Friday- 25.11.2016	
<b>Paper No. – XIII, XIX &amp; XX – Choose any Three of the following</b>				
	63335	Fractional Differential Equations	Wednesday- 26.10.2016	From 02.30 PM To 05.30 PM
	63322	Commutative Algebra – II	Monday- 24.10.2016	
	63320	Combinatorics		
	63334	Algebraic Number Theory	Saturday- 19.11.2016	
	63323	Operations Research –II	Saturday- 12.11.2016	
	63324	Lattice Theory –II	Monday- 24.10.2016	
	63331	Dynamical Systems- II	Friday- 04.11.2016	
	63330	General Relativity II		
	63327	Wavelet Analysis	Monday- 07.11.2016	
	63325	Riemannian Geometry -II		
	63329	Computational Fluid Dynamics	Thursday- 17.11.2016	
	63328	Fuzzy Relation And Logic		

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

**Exam Center & College Code :- (Kolhapur-547, Urun-Islampur-88, Sangli-78 & 94, Satara-149)**

		<b>Branch Code - PHYSICS ( C.B.C.S.)</b>	From Oct. 2013	
		<b>Part I :- Semester I</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
I	59749	Mathematical Methods in Physics	Monday- 21.11.2016	From 10.30 AM To 01.30 PM
II	59748	Classical Mechanics	Wednesday- 23.11.2016	
III	59746	Quantum Mechanics I	Friday- 25.11.2016	
IV	59747	Condensed Matter Physics	Monday- 28.11.2016	
	59750	Practical - I		
	59751	Practical - II		

		<b>Branch Code - PHYSICS ( C.B.C.S.)</b>	From April-2014	
		<b>Part I :- Semester II</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
V	61301	Quantum Mechanics II	Tuesday - 22.11.2016	From 10.30 AM To 01.30 PM
VI	61302	Statistical Mechanics	Thursday- 24.11.2016	
VII	61303	Electrodynamics	Saturday- 26.11.2016	
VIII	61304	Atomic & Molecular Physics	Monday- 28.11.2016	
	61305	Practical - III		
	61306	Practical - IV		

**Exam Center & College Code :- (Kolhapur-547, Urun-Islampur-88, Sangli-78 & 94, Satara-149)**

		Branch Code - PHYSICS ( C.B.C.S.)	From Oct. 2015	
		Part II :- Semester III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64101	Nuclear and Particle Physics	Monday- 21.11.2016	From 2.30 pm To 5.30 pm
<b>Paper No. X – Choose Any One Of The Following Paper</b>				
Choice Base Paper (Any One) X	64620	Fundamentals and Applications of Remote Sensing	Wednesday - 23.11.2016	From 2.30 pm To 5.30 pm
	64102	Data Analysis and Statistical Software		
	64103	Numerical Computing Using MATLAB		
	64526	Computational Programming using Mathematica		
	64678	Principles of Food Processing & Preservation		
	64679	Communicational English		
	65761	Applied Zoology	Tuesday- 08-11-2016	From 10.30 AM To 1.30 PM
	60850	Web Designing	Monday- 07-11-2016	
68286	Thin Film Deposition Technology	Wednesday- 30.11.2016		
Paper No. XI – Choose Any One of The Following Subject XI	64104	Energy Science – I ( The New Energy Technologies )	Friday- 25.11.2016	From 2.30 pm To 5.30 pm
	64105	Material Science – I ( Imperfection in Crystals )		
	64106	Modern Optics – I ( Laser Physics )		
	64107	Space Science – I ( Windows to the Uni.,S.S.,Planetary Atmospheres )		
	64108	Solid State Physics – I ( Thin Solid Films:Deposition and Properties )		
	64109	Theoretical Physics –I (Relativistic Quantum Mechanics. )		
Paper No. XII – Choose Any One of The Following Subject	64110	Energy Science – II ( Solar Thermal Devices )	Monday- 28.11.2016	From 2.30 pm To 5.30 pm
	64111	Material Science – II ( Physics of metals and Alloys )		
	64112	Modern Optics – II ( Nonlinear Optics and Fiber Optics )		
	64113	Space Science – II ( Astrophysics of the Sun )		
	64114(Old)	Solid State Physics – II ( Semiconductor Devices )		
	64115	Theoretical Physics –II ( Quantum Field Theory – I )		
	66764(New)	Solid State Physics-II (Semiconductor Physics)		
PRACTICAL V	64421,	1. Energy Science Project Work I		
	64422,	2. Materials Science Project Work I		
	64424,	3. Modern Optics Project Work I		
	64425,	4. Space Science Project Work I		
	64423,	5. Solid State Physics Project Work I		
	64426	6. Theoretical Physics Project Work I		
PRACTICALVI	64427,	1. Energy Science Lab Work I		
	64428,	2. Materials Science Lab Work I		
	64430,	3. Modern Optics Lab Work I		
	64431,	4. Space Science Lab Work I		
	64429,	5. Solid State Physics Lab Work I		
	64432	6. Theoretical Physics Lab Work I		

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

**Exam Center & College Code :- (Kolhapur-547, Urun-Islampur-88, Sangli-78 & 94, Satara-149)**

		Branch Code - PHYSICS ( C.B.C.S.)	From-(Oct-2015)		
		Part II :- Semester IV			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
XIII	65031	Experimental Techniques	Tuesday - 22.11.2016	From 2.30 pm To 5.30 pm	
XIV Choice Base Paper (Any One Paper)	PAPER NO. XIV:- Choose Any One Of The Following Paper				
	65141	Electronic Devices	Thursday - 24.11.2016	From 2.30 pm To 5.30 pm	
	65062	Computational Methods And Programming			
	65063	Special Materials			
Paper No. XV - Choose Any One of The Following	65032	Energy Science –III (Renewable Energy Resources)	Saturday- 26.11.2016	From 2.30 pm To 5.30 pm	
	65033	Material Science – III (Mechanical Properties and Liquid Crystals)			
	65035	Modern Optics – III ( Laser and its Applications)			
	65036	Space Science – III ( Solar Wind and its Interaction with Planets and Satellites)			
	65034	Solid State Physics – III (Physical Properties of Solids)			
	65037	Theoretical Physics –III (Interaction of Electromagnetic Waves with Electron Beams and Plasmas )			
Paper No. XVI – Choose Any One of The Following Subject	65039	Energy Science – IV (Energy Conversion Devices)	Wednesday- 30.11.2016	From 2.30 pm To 5.30 pm	
	65040	Material Science – IV (Special Materials)			
	65042	Modern Optics – IV (Holography)			
	65043	Space Science – IV (Solar terrestrial Physics & Space Applications)			
	65041(Old)	Solid State Physics – IV (Semiconductor Physics)			
	65038	Theoretical Physics –IV (Quantum Field Theory-2)			
	66765(New)	Solid State Physics-IV (Energy Conversion & Storage Devices)			
PRACTICAL VII	65056	1. Energy Science Project Work II			
	65058	2. Materials Science Project Work II			
	65059	3. Modern Optics Project Work II			
	65060	4. Space Science Project Work II			
	65057	5. Solid State Physics Project Work II			
	64132	6. Theoretical Physics Project Work II			
PRACTICAL VIII	65050	1. Energy Science Lab Work II			
	65051	2. Materials Science Lab Work II			
	65053	3. Modern Optics Lab Work II			
	65054	4. Space Science Lab Work II			
	65052	5. Solid State Physics Lab Work II			
	65055	6. Theoretical Physics Lab Work II			

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

**Exam Center & College Code :- (Kolhapur-550 & Satara-149)**

		<b>Branch Code - STATISTICS ( C.B.C.S.)</b>	From Oct. 2016 <b>(Revised)</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	68228	Statistical Mathematics – I	Tuesday- 15.11.2016	From 10.30 AM To 01.30 PM
II	68229	Statistical Mathematics – II	Thursday- 17.11.2016	
III	68230	Distribution Theory	Monday- 21.11.2016	
IV	68231	Estimation Theory	Wednesday- 23.11.2016	
V	68232	Statistical Computing	Friday- 25.11.2016	
	68234	Practical - I		

		<b>Branch Code - STATISTICS ( C.B.C.S.)</b>	From Oct. 2013	
		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	59758	Statistical Mathematics – I	Tuesday- 15.11.2016	From 10.30 AM To 01.30 PM
II	59759	Statistical Mathematics – II	Thursday- 17.11.2016	
III	59760	Distribution Theory	Monday- 21.11.2016	
IV	59761	Estimation Theory	Wednesday- 23.11.2016	
V	59762	Statistical Computing	Friday- 25.11.2016	
	59763	Practical - I		

		<b>Branch Code - STATISTICS ( C.B.C.S.)</b>	From April-2014	
		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>
VI	61313	Probability Theory	Monday- 24.10.2016	From 10.30 AM To 01.30 PM
VII	61314	Theory of Testing of Hypothesis	Wednesday- 26.10.2016	
VIII	61315	Multivariate Analysis	Friday- 04.11.2016	
IX	61316	Linear Models & Design of Experiments	Monday- 07.11.2016	
X	61317	Sampling Theory	Wednesday- 09.11.2016	
	61318	Practical - II		



## M.Sc. Statistics

### Exam Center & College Code :- (Kolhapur-550 & Satara-149)

		<b>Branch Code - STATISTICS ( 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>	<b>PAPER TIME</b>	
XI	63216	Asymptotic Inference	Wednesday- 16.11.2016	From 10.30 AM To 01.30 PM	
XII	63217	Elementary Stochastic Process	Saturday- 19.11.2016		
XIII	63218	Planning and Analysis of Industrial Experiment	Tuesday- 22.11.2016		
		<b>Paper No. XIV &amp; XV :- Choose Any Two of the Following Papers</b>			
	63220	Reliability Theory	Thursday- 24.11.2016	From 10.30 AM To 01.30 PM	
	63221	Regression Analysis	Saturday - 26.11.2016		
	63219	Practical - III			

		<b>Branch Code - STATISTICS ( 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>	<b>PAPER TIME</b>	
XVI	63229	Optimization Techniques	Monday- 24.10.2016	From 02.30 AM To 05.30 PM	
		<b>Paper No. XVII &amp; XVIII :- Choose Any Four of the Following Papers</b>			
	63231	Discrete Data Analysis	Wednesday- 26.10.2016	From 02.30 AM To 05.30 PM	
	63232	Survival Analysis	Friday- 04.11.2016		
	63233	Industrial Statistics	Monday- 07.11.2016		
	63238	Data Mining			
	63234	Time Series Analysis	Wednesday- 09.11.2016		
	63240	<b>Practical IV and Project</b>			

**M.Sc. Applied Statistics & Information [ C.B.C.S. ]**

**Exam Center & College Code :- (Kolhapur-550)**

		<b>Branch Code - APPLIED STATISTICS &amp; INFORMATATION ( C.B.C.S.)</b>		From Oct. 2013
		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	61055	Fundamentals of Computer Programming	Tuesday- 15.11.2016	From 10.30 AM To 01.30 PM
II	61056	Statistical Mathematics	Thursday- 17.11.2016	
III	61057	Probability Distributions	Monday- 21.11.2016	
IV	61058	Statistical Inference	Wednesday -23.11.2016	
V	61059	Statistical Computing and Numerical Methods	Friday -25.11.2016	
	61060	Practical - I		

		<b>Branch Code - APPLIED STATISTICS &amp; INFORMATATION ( C.B.C.S.)</b>		From April-2014
		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>
VI	61501	Probability Theory	Monday- 24.10.2016	From 10.30 AM To 01.30 PM
VII	61502	Multivariate Analysis	Wednesday- 26.10.2016	
VIII	61503	Sampling Theory	Friday- 04.11.2016	
IX	61504	Linear Models and Design of Experiments	Monday- 07.11.2016	
X	61505	Advanced Data Structure with C++	Wednesday- 09.11.2016	
	61506	Practical - II		

**M.Sc. Applied Statistics & Information [C.B.C.S.]**

**Exam Center & College Code :- (Kolhapur-550)**

		<b>Branch Code - APPLIED STATISTICS &amp; INFORMATATION ( 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>	<b>PAPER TIME</b>	
XI	64532	Stochastic Processes	Wednesday -16.11.2016	From 10.30 AM To 01.30 PM	
XII	64533	Computer Graphics	Saturday - 19.11.2016		
XIII	<b>Paper No. XIII :- Choose Any One Of the Following</b>				
	64534	Regression Analysis	Tuesday- 22.11.2016	From 10.30 AM To 01.30 PM	
XIV	<b>Paper No. XIV :- Choose Any One Of the Following</b>				
	64537	Data Base Management System	Thursday -24.11.2016	From 10.30 AM To 01.30 PM	
XV	<b>Paper No. XIV :- Choose Any One Of the Following</b>				
	64538	Reliability and Survival Analysis	Saturday- 26.11.2016	From 10.30 AM To 01.30 PM	
	64541	Practical - III			

		<b>Branch Code - APPLIED STATISTICS &amp; INFORMATATION ( 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>	<b>PAPER TIME</b>	
XVI	65070	Optimization Techniques	Monday- 24.10.2016	From 02.30 PM To 05.30 PM	
XVII	65071	Discrete Data Analysis	Wednesday- 26.10.2016		
XVIII	<b>Paper No. XVIII :- Choose Any One Of the Following</b>				
	65073	Time Series Analysis	Friday- 04.11.2016	From 02.30 PM To 05.30 PM	
XIX	<b>Paper No. XIX :- Choose Any One Of the Following</b>				
	65075	Industrial Statistics	Monday- 07.11.2016	From 02.30 PM To 05.30 PM	
XX	<b>Paper No. XX :- Choose Any One Of the Following</b>				
	65077	Data Warehousing and Data Mining	Wednesday- 09.11.2016	From 02.30 PM To 05.30 PM	
	65072	Practical -IV			
		Project- II			

## M.Sc. Environmental Science ( C.B.C.S. )

### Exam Center & College Code :- (Kolhapur-551)

		<b>Branch Code - ENVIRONMENTAL SCIENCE ( C.B.C.S.)</b>		From Oct. 2013	
		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>	
<b>I</b>	59770	Introduction to Environmental Science	Monday-24.10.2016	From 10.30 AM To 01.30 PM	
<b>II</b>	59771	Environmental Chemistry	Wednesday- 26.10.2016		
<b>III</b>	59772	Environmental Biology	Friday- 04.11.2016		
<b>IV</b>	59773	Information Technology in Environmental Science	Monday- 07.11.2016		
	59775	Practical - I			
	59776	Practical – II			

		<b>Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.)</b>		From April-2014	
		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>	
<b>V</b>	61325	Environmental Engineering	Monday-24.10.2016	From 02.30 PM To 05.30 PM	
<b>VI</b>	61326	Environmental Pollution and Control	Wednesday- 26.10.2016		
<b>VII</b>	61327	Environmental Geoscience and Climatology	Friday- 04.11.2016		
<b>VIII</b>	61328	Environmental Monitoring and Energy Studies	Monday- 07.11.2016		
	61329	Practical - III			
	61330	Practical - IV			

**M.Sc. Environmental Science ( C.B.C.S.)**

**Exam Center & College Code :- (Kolhapur-551)**

		<b>Branch Code - ENVIRONMENTAL SCIENCE (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>	<b>PAPER TIME</b>	
<b>IX</b>	64165	Natural Resources and their Management	Tuesday- 25.10.2016	From 10.30 AM To 01.30 PM	
<b>X</b>	64166	Environmental Statistics and Computer Applications	Thursday- 27.10.2016		
<b>XI</b>	64167	Environmental Policy and legislation	Saturday- 05.11.2016		
<b>XII</b>	64168	Environmental Toxicology and Public Health	Tuesday- 08.11.2016		
	64648	Vermicomposting	Thursday- 10.11.2016		
	64170	Project			
	64171	Practical VI – ( Environmental Statistics and Toxicology )			

		<b>Branch Code - ENVIRONMENTAL SCIENCE (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>	<b>PAPER TIME</b>	
<b>XIII</b>	65019	Socio- Economic Aspects of Environment	Tuesday- 25.10.2016	From 02.30 PM To 05.30 PM	
<b>XIV</b>	65020	Environmental Hazards and Disaster Management	Thursday- 27.10.2016		
<b>XV</b>	65021	Environmental Planning and Management	Saturday- 05.11.2016		
<b>XVI</b>	65022	Environmental Biotechnology	Tuesday- 08.11.2016		
	65023	Practical VII			
	65024	Practical VIII			

**M.Sc. Food Science & Technology [ C.B.C.S.]**

**Exam Center & College Code :- (Kolhapur-571)**

		<b>Branch Code - FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.)</b>		From Oct. 2013	
		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	59783	Principles of Food Processing & Preservation	Monday- 07.11.2016	From 10.30 AM To 01.30 PM	
II	59784	Food Microbiology	Wednesday- 09.11.2016		
III	59785	Food Chemistry	Friday- 11.11.2016		
IV	59786	Biochemistry & Nutrition	Tuesday- 15.11.2016		
	59787	Practical I			
	59788	Practical II			

		<b>Branch Code - FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.)</b>		From April-2014	
		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	61337	Fruit and Vegetable Technology	Monday- 07.11.2016	From 02.30 PM To 05.30 PM	
VI	61338	Principles of Food Engineering	Wednesday- 09.11.2016		
VII	61339	Cereal and Legume Technology	Friday- 11.11.2016		
VIII	61340	Fermentation Technology	Tuesday- 15.11.2016		
	61341	Practical III			
	61342	Practical IV			

**M.Sc. Food Science & Technology [ C.B.C.S.]**

**Exam Center & College Code :- (Kolhapur-571)**

		<b>Branch Code - FOOD SCIENCE &amp; TECHNOLOGY ( 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>	<b>PAPER TIME</b>	
IX	64191	Technology of Meat, Fish & Poultry Products	Tuesday-08.11.2016	From 10.30 AM To 01.30 PM	
X	64192	Technology of Milk & Milk Products	Thursday- 10.11.2016		
XI	64193	Food Quality & Safety Management	Saturday- 12.11.2016		
XII	64194	Food Additives, Contaminants & Toxicology	Wednesday- 16.11.2016		
	64195	Laboratory Course – V			
	64196	Laboratory Course – VI			

		<b>Branch Code - FOOD SCIENCE &amp; TECHNOLOGY ( 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>	<b>PAPER TIME</b>	
<b>XIII</b>	65134	Food Packaging	Tuesday-08.11.2016	From 02.30 PM To 05.30 PM	
<b>XIV</b>	65135	Technology of Oilseeds & Fats	Thursday- 10.11.2016		
<b>XV</b>	65136	Food Biotechnology	Saturday- 12.11.2016		
<b>XVI</b>	65137	Post-Harvest Technology of Plantation Crops	Wednesday- 16.11.2016		
	65138	Laboratory Course – VII			
	65139	Laboratory Course – VIII			

**M.A./M.Sc. Geography [C.B.C.S.]**

**Exam Center & College Code :- (Kolhapur-540, Sangli-92, Satara-259 & 173, Karad-153 & 156)**

		<b>Branch Code - GEOGRAPHY ( C.B.C.S.)</b>	From Oct. 2013	
		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	59909	Principles of Geomorphology	Wednesday- 09.11.2016	From 10.30 AM To 01.30 PM
II	59910	Principles of Climatology	Friday- 11.11.2016	
III	59911	Economic Geography	Tuesday- 15.11.2016	
IV	59912	Geography of Population and Development	Thursday- 17.11.2016	
	59912	Practical I		
	59913	Practical II		

		<b>Branch Code - GEOGRAPHY ( C.B.C.S.)</b>	From April-2014	
		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	61515	* Advanced Geomorphology	Wednesday- 09.11.2016	From 2.30 PM To 5.30 PM
VI	61516	* Applied Climatology	Friday- 11.11.2016	
VII	61517	* Geography of India	Tuesday- 15.11.2016	
VIII	61518	* Social & Cultural Geography	Thursday- 17.11.2016	
	61519	Practical III		
	61520	Practical IV		



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

**Exam Center & College Code :- (Kolhapur-540, Sangli-92, Satara-259 & 173, Karad-153 & 156)**

		<b>Branch Code - GEOGRAPHY ( 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>	<b>PAPER TIME</b>
IX	64604	Regional Planning and Development	Thursday-10.11.2016	From 10.30 AM To 01.30 PM
X	64605	Fundamentals and Applications of Remote Sensing	Saturday- 12.11.2016	
XI	Paper No.:- XI – Choose Any One of the Following			
	64606	Environmental Geography	Wednesday - 16.11.2016	
	64607	Geography of Tourism		
XII	Paper No. XII :- Choose Any One Of The Following Papers			
	64608	Surveying, Cartography & GIS	Saturday- 19.11.2016	
	64609	Political Geogrpny		
	64610	Practical V :- ( Photogrammetry, Remote Sensing and GIS )		
	64611	Practical VI :- (Quantitative Techniques & Computer Applications in Geo. )		

		<b>Branch Code - GEOGRAPHY ( 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>	<b>PAPER TIME</b>
<b>XIII</b>	65005	Development of Geographical Thought	Thursday-10.11.2016	From 2.30 PM To 5.30 PM
<b>XIV</b>	65006	Geohydrology & Oceanography	Saturday- 12.11.2016	
<b>XV</b>	Paper No.:- XI – Choose Any One of the Following			
	65009	Agricultural Geography	Wednesday - 16.11.2016	
	65010	Settlement Geography		
<b>XIV</b>	Paper No. XII :- Choose Any One Of The Following Papers			
	65011	Biogeography	Saturday- 19.11.2016	
	65012	Medical Geography		
	65007	Project - Research Methodology and Study Tour Report Writing		
	65008	Project		

**M.Sc. Tech ( MATHEMATICS ) [ C.B.C.S. ]**

**Exam Center & College Code :- (Kolhapur-549)**

		<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>	<b>From Oct. 2014</b>	
		<b>Part I :- Sem.-I</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
V	64600	Programming in C	Thursday- 10.11.2016	From 10.30 AM To 01.30 PM
III	64598	Discrete Mathematical Structures – I	Saturday- 12.11.2016	
I	64596	Algebra	Tuesday- 08.11.2016	
IV	64599	Computer Architecture	Tuesday- 15.11.2016	
II	64597	Advanced Calculus	Monday- 28.11.2016	
	<b>64601</b>	<b>Lab Work – I</b>		

		<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>	<b>From April-2015</b>	
		<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>
I	64917	Real Analysis	Friday- 04.11.2016	From 10.30 AM To 01.30 PM
II	64918	Operations Research	Monday- 07.11.2016	
IV	64920	Operating Systems	Saturday- 05.11.2016	
V	64921	Data Structures Using C	Thursday- 03.11.2016	
III	64919	Discrete Mathematical Structures – II	Friday- 25.11.2016	
	<b>64922</b>	<b>Lab Work II</b>		

**M.Sc. Tech ( MATHEMATICS ) [ C.B.C.S. ]**

**Exam Center & College Code :- (Kolhapur-549)**

		<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>		From April-2015	
		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>	
I	65752	Linear Algebra	Saturday- 19.11.2016	From 02.30 PM To 05.30 PM	
II	65753	Complex Analysis	Wednesday- 16.11.2016		
IV	65754	Object Oriented Programming with C++	Tuesday- 22.11.2016		
V	65755	Database Systems	Monday- 21.11.2016		
III	65756	Design and analysis of Algorithms I	Thursday- 17.11.2016		
	<b>65757</b>	<b>Lab Work</b>			

		<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>		From April-2016	
		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>	
I	100086	Functional Analysis	Monday- 24.10.2016	From 02.30 PM To 05.30 PM	
II	100087	Differential Equations	Friday- 25.11.2016		
IV	100088	Design and Analysis of Algorithms II	Wednesday- 03.11.2016		
V	100089	Object Oriented Programming With Java	Wednesday- 26.10.2016		
III	100090	Linux Operating System	Saturday- 05.11.2016		
	<b>100091</b>	<b>Lab Work -IV</b>			

**Exam Center & College Code :- (Kolhapur-549)**

		<b>Branch Code</b>	<b>- M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>	<b>From Oct-2016</b>	
		<b>Part III :- Sem.-V</b>			
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>	
I	67980	Compiler Techniques	Tuesday- 15.11.2016	From 10.30 AM To 01.30 PM	
II	67981	Software Engineering	Thursday- 03.11.2016		
IV	67982	Computer Networks	Thursday- 10.11.2016		
V	67983	Computer Graphics	Wednesday- 26.10.2016		
<b>Paper No. V- Choose any One of the following</b>					
	67984	Web Technology	Monday- 07.11.2016	From 10.30 AM To 01.30 PM	
	67985	PHP with MySQL			
	67986	Android Programming			
	67987	Advanced Java			
	<b>67988</b>	<b>Lab Work</b>			