



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

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

*&*

*M.Sc. Tech ( Maths ),*

*Examination*

**DRAFT**

**PROGRAMME of**

**Oct/Nov-2019**

# SHIVAJI UNIVERSITY, KOLHAPUR

Circular No-(487) Exam. Of Oct/Nov-2019 EXAM

- Draft Programme of the M.A./M.Sc.(Maths, Geography & M.Sc Tech.), M.Sc (Mathematics, Physics, Statistics, Applied Statistics & Informatics, Environmental Science, Food Science & Technology, Alcohol Technology, Sugar Technology, Industrial Microbiology ), Choose Base Credit System [ C.B.C.S.] Examination to be held in **Oct/Nov-2019. Exam.**
- The Written Examination will be held at following center and Places delared:-

Sr.No	Center	College Code	Exam	Places
1	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, KOLHAPUR
		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, KOLHAPUR
		571	M.Sc Food Science & Technology	Department of Food Science & Technology, KOLHAPUR
		540	M.A./M.Sc Geography	Department of Geography, Shivaji University KOLHAPUR.
		1	M.A./M.Sc. Mathematics, Physics	Vivekanand College, KOLHAPUR
		50	M.A./M.Sc. Mathematics	Yashwantrao Chavan Warna Mahavidyalaya, WARNANAGAR
		48	M.Sc Physics	Devchand College, ARJUNNAGAR
2	URUN ISLAMPUR	90	M.A./M.Sc. Mathematics	Karmveer Bhaurao Patil College, URUN – ISLAMPUR.
		88	M.Sc. Physics	Smt. Kusumtai Rajarambapu Patil, Kanya Mahavidyalaya
		444	M.Sc Alcohol Technology & Sugar Technology	Rajarambapu College of Sugar Technology, URUN-ISLAMPUR
3	SANGLI	78	M.Sc. Physics	Smt. Kasturabi Walchand College of Arts & Science, SANGLI.
		80	M.A./M.Sc. Mathematics & Physics	Willingdon College, SANGLI
		94	M.Sc. Physics	Raje Ramrao Mahavidyalaya, JATH
		92	M.A./M. Sc. Geography, Statistics	Padm. Bhushan Dr. Vasantraodada Patil Mahavidyalaya, TASGAON
4	KARAD	156	M.A./M. Sc. Geography, M.A./M.Sc. Mathematics, Industrial Microbiology, Statistics	Sadguru Gadage Maharaj College, KARAD
		153	M.A./M. Sc. Geography	Mahila Mahavidyalaya, KARAD
5	SATARA	259	M.A./M.Sc Geography	Chhatrapati Shivaji College, SATARA
		149	M.sc Physics, Statistics & Mathematics	Yashwantrao Chavan Institute of Science, SATARA.
		173	M.A./M.Sc Geography	Raja Shripatrao Bhagwantrao Mahavidyalaya, AUNDH

**NOTE:-** (In case of any Query found in respective Question Paper, student shall communicate the same through principal/ Senior Supervisor within 7 days from the date of concerned Question Paper to, Deputy Registrar, Appointment Section, Room no 205, Exam Building No.1 Shivaji University, Kolhapur 416 004)

## 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,)**

Branch Code - MATHEMATICS ( C.B.C.S. )				(Revised From Oct-2018)
Part I - Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71415	Advance Calculus	Thursday – 07.11.2019	From 10.30.AM To 01.30 PM
II	71416	Linear Algebra	Saturday – 09.11.2019	
IV	71417	Complex Analysis	Monday – 11.11.2019	
III	71418	Classical Mechanics	Wednesday – 13.11.2019	
V	71419	Ordinary Differential Equations	Friday– 15.11.2019	

Branch Code - MATHEMATICS ( C.B.C.S. )				Last Chance Oct-2019
Part I :- Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	61382	Topology	Thursday – 07.11.2019	From 10.30. AM To 01.30 PM
VII	69566	Numerical Analysis	Saturday – 09.11.2019	
VI	61385	Differential Geometry	Monday – 11.11.2019	
VIII	61383	Complex Analysis	Wednesday – 13.11.2019	
X	61381	Liner Algebra	Friday– 15.11.2019	

Branch Code - MATHEMATICS ( C.B.C.S. )				(Revised From April-2019)
Part I :- Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	71423	Genral Topology	Thursday – 07.11.2019	From 2.30.PM To 5.30 PM
VII	71424	Numerical Analysis	Saturday – 09.11.2019	
VI	71422	Algebra	Monday – 11.11.2019	
VIII	71421	Functional Analysis	Wednesday – 13.11.2019	
X	71425	Partial Differential Equations	Friday– 15.11.2019	

Branch Code - MATHEMATICS ( C.B.C.S. )				From Oct. 2014
Part II :- Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	63303	Functional Analysis	Tuesday – 19.11.2019	From 10.30.AM To 01.30 PM
XII	63304	Advanced Discrete Mathematics	Thursday – 21.11.2019	
<b>Paper No. – XIII, XIV &amp; XV – Choose any Three of the following</b>				
	63336	Integral Equation	Saturday – 23.11.2019	From 10.30.AM To 01.30 PM
	63308	Commutative Algebra – I	Monday-25.11.2019	
	63316	Operation Research - I	Wednesday – 27.11.2019	
	63313	Lattice Theory – I	Friday- 29.11.2019	
	63307	Number Theory	Monday – 02.12.2019	
	63312	Riemannian Geometry -I	Wednesday – 04.12.2019	
	63305	Fluid Dynamics - I		
	63315	General Relativity – I	Friday -06.12.19	
	63309	Approximation Theory	Monday – 09.12.2019	
	63314	Fuzzy Mathematics – I	Wednesday-11.12.2019	
	63317	Dynamical Systems – I	Friday -13.12.19	

## 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.)**

Branch Code - MATHEMATICS ( C.B.C.S.)				(Revised From Oct-2019)
Part II :- SEM-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XVI	73976	Real Analysis	Tuesday – 19.11.2019	From 10.30.AM To 01.30 PM
XVII	73977	Field Theory	Thursday – 21.11.2019	
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				
	73978	Number Theory	Monday- 02.12.2019	From 10.30.AM To 01.30 PM
	73979	Operations Research-I	Wednesday-27.11.2019	
	73980	Fuzzy Mathematics-I	Wednesday-11.12.2019	
	73981	Fluid Dynamics	Friday- 06.12.2019	
	73982	Fractional Calculus	Saturday- 23.11.2019	
	73983	General Relativity-I	Monday- 09-12-2019	
	73984	Lattice Theory-I	Friday- 29.11.2019	
	73985	Approximation Theory	Wednesday-11.12.2019	
	73986	Dynamical Systems-I	Monday- 16.12.2019	
	73987	Graph Theory-I	Wednesday-04.12.2019	
	73988	Differential Geometry	Saturday- 28.12.2019	
	73989	Combinatorics	Friday- 13.12.2019	
	73990	Topological Vector Spaces	Wednesday-18.12.2019	
	73991	Commutative Algebra-I	Monday-25.11.2019	
	73992	Space Dynamics -I	Friday-20.12.2019	
	73993	Theory Of Computation	Monday-23.12.2019	
	73994	Algebraic Topology	Thursday-26.12.2019	

Branch Code - MATHEMATICS ( C.B.C.S.)				(From April-2015)
Part II :- SEM-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XVI	69567	Field Theory	Tuesday – 19.11.2019	From 2.30.PM To 5.30 PM
XVII	63319	Partial Differential Equations	Thursday – 21.11.2019	
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				
	63335	Fractional Differential Equations	Friday – 22.11.2019	From 2.30.PM To 5.30 PM
	63322	Commutative Algebra – II	Tuesday- 26.11.2019	
	63327	Wavelet Analysis	Thursday -28.11.2019	
	63331	Dynamical Systems- II		
	63328	Fuzzy Relation And Logic	Saturday- 30.11.2019	
	63325	Riemannian Geometry -II		
	63329	Computational Fluid Dynamics	Tuesday -03.12.2019	
	63323	Operations Research –II		
	63334	Algebraic Number Theory	Thursday -05.12.2019	
	63330	General Relativity II	Saturday-07.12.2019	
	63324	Lattice Theory –II	Wednesday-10.12.19	
	63320	Combinatorics	Thursday- 12.12.2019	

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

**Exam Center & College Code :- (Kolhapur-547 & 1, Urun-Islampur-88, Sangli-78 & 94, Satara-149)**

Branch Code - PHYSICS ( C.B.C.S.)				(Revised From Oct-2019)
Part I :- Semester I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74934	Mathematical Physics	Thursday- 07.11.2019	From 10.30 AM To 01.30 PM
II	74935	Classical Mechanics	Saturday- 09.11.2019	
III	74936	Quantum Mechanics -I	Monday- 11.11.2019	
IV	74937	Condensed Matter Physics	Wednesday- 13.11.2019	
	<b>74938</b>	<b>Practical</b>	<i>Internal Exam</i>	

Branch Code - PHYSICS ( C.B.C.S.)				(Revised From Oct-2018)
Part I :- Semester I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71428	Mathematical Physics	Thursday- 07.11.2019	From 10.30 AM To 01.30 PM
II	71429	Classical Mechanics	Saturday- 09.11.2019	
III	71430	Quantum Mechanics-I	Monday- 11.11.2019	
IV	71431	Condensed Matter Physics	Wednesday- 13.11.2019	
	<b>71433</b>	<b>Laboratory/ Practical Course-I(LAB-I)</b>	<i>Internal Exam</i>	
	<b>71434</b>	<b>Laboratory/ Practical Course-II(LAB-II)</b>		

Branch Code - PHYSICS ( C.B.C.S.)				From April-2014
Part I :- Semester II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61301	Quantum Mechanics II	Thursday- 07.11.2019	From 02.30 PM To 05.30 PM
VI	61302	Statistical Mechanics	Saturday- 09.11.2019	
VII	61303	Electrodynamics	Monday- 11.11.2019	
VIII	61304	Atomic & Molecular Physics	Wednesday- 13.11.2019	
	<b>61305</b>	<b>Practical - III</b>	<i>Internal Exam</i>	
	<b>61306</b>	<b>Practical - IV</b>		

Branch Code - PHYSICS ( C.B.C.S.)				(Revised From April-2019)
Part I :- Semester II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	72950	Quantum Mechanics	Thursday- 07.11.2019	From 02.30 PM To 05.30 PM
VI	72951	Statistical Mechanics	Saturday- 09.11.2019	
VII	72952	Electrodynamics	Monday- 11.11.2019	
VIII	72953	Atomic & Molecular Physics	Wednesday- 13.11.2019	
	<b>72954</b>	<b>Practical - III</b>	<i>Internal Exam</i>	
	<b>72961</b>	<b>Practical - IV</b>		

Branch Code - PHYSICS ( C.B.C.S.)				From Oct. 2015
Part II :- Semester III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
<b>IX</b>	64101	<b>Nuclear and Particle Physics</b>	Friday- 15.11.2019	From 10.30.AM To 01.30 PM
	<b>Paper No. X – Choose Any One Of The Following Paper</b>		Tuseday- 19.11.2019	From 10.30.AM To 01.30 PM
<b>Choice Base Paper (Any One) X</b>	64102	Data Analysis and Statistical Software		
	64103	Numerical Computing Using MATLAB		
	64526	Computational Programming using Mathematica		
<b>Paper No. XI – Choose Any One of The Following Subject XI</b>	64104	Energy Science – I ( The New Energy Technologies )	Thursday-21.11.2019	From 10.30.AM To 01.30 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. )		
<b>Paper No. XII – Choose Any One of The Following Subject</b>	64110	Energy Science – II ( Solar Thermal Devices )	Saturday- 23.11.2019	From 10.30.AM To 01.30 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 )		
	67023(New)	Solid State Physics-II (Semiconductor Physics)		

<b>PRACTICAL V</b>	64421,	1. Energy Science Project Work I	<i>Internal Exam</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	
<b>PRACTICALVI</b>	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	

<b>Branch Code - PHYSICS ( C.B.C.S.)</b>				<b>(Revised From Oct-2019)</b>
<b>Part II :- Semester 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>	74677	Nuclear and Particle Physics	Friday- 15.11.2019	From 10.30.AM To 01.30 PM
	<b>Paper No. X – Choose Any One Of The Following Paper</b>		Tuesday- 19.11.2019	From 10.30.AM To 01.30 PM
<b>Choice Base Paper (Any One) X</b>	74650	Data Analysis and Statistical Software		
	74651	Numerical Computing Using MATLAB		
	74652	Computational Programming using Mathematica		
	74653	Numerical Methods and Programming		
	74654	MATLAB Programming Applications		
	74566	Electronic Devices		
<b>Paper No. XI – Choose Any One of The Following Subject XI</b>	74656	Energy Science – I ( The New Energy Technologies )	Thursday-21.11.2019	From 10.30.AM To 01.30 PM
	74657	Material Science – I ( Imperfection in Crystals )		
	74658	Space Science – I ( Stellar Evolution: Birth, Evolution and Death of the Stars)		
	74659	Solid State Physics – I ( Thin Solid Films:Deposition and Properties )		
	74660	Theoretical Physics –I (Fundamentals of Plasma Physics)		
	75072	Modern Optics-I(Laser Physics)		
<b>Paper No. XII – Choose Any One of The Following Subject</b>	74661	Energy Science – II ( Solar Thermal Devices )	Saturday- 23.11.2019	From 10.30.AM To 01.30 PM
	74662	Material Science – II ( Properties of Materials )		
	74663	Space Science – II ( Astrophysics of the Sun )		
	74664	Solid State Physics – II (Semiconductor Physics)		
	74665	Theoretical Physics –II (Introduction to General Relativity)		
	75073	Modern Optics-I (Nonlinear Optics & Fiber Optics)		
<b>PRACTICAL V</b>	74666	1. Energy Science Project Work I	<i>Internal Exam</i>	
	74667	2. Materials Science Project Work I		
	74668	3. Space Science Project Work I		
	74669	4. Solid State Physics Project Work I		
	74670	5. Theoretical Physics Project Work I		
	75074	6. Modern Optics Project Work- I		
<b>PRACTICALVI</b>	74671	1. Energy Science Lab Work I		
	74672	2. Materials Science Lab Work I		
	74673	3. Space Science Lab Work I		
	74674	4. Solid State Physics Lab Work I		
	74675	5. Theoretical Physics Lab Work I		
	75075	6. Modern Optics Lab Work I		

### M.Sc. Physics [ C.B.C.S.- ADD ON]

<b>Branch Code - PHYSICS ( C.B.C.S.) ADD ON</b>			
<b>Part II :- Semester III</b>			
<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>PAPER TIME</b>
75051/74017	Fundamentals and Application of Remote	Monday- 14.11.2019	10.30 AM To 01.30PM
75052/74585	Cyber Security	Friday- 15.11.2019	
75053/68286	Thin Film Deposition Technology		

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

**Exam Center & College Code :- (Kolhapur-547 & 1, 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	Friday- 15.11.2019	From 2.30.PM To 05.30 PM
XIV Choice Base Paper (Any One Paper)	<b>PAPER NO. XIV:- Choose Any One Of The Following Paper</b>		Tuesday- 19.11.2019	From 2.30.PM To 05.30 PM
	65141	Electronic Devices		
	65062	Computational Methods And Programming		
	65063	Special Materials		
Paper No. XV – Choose Any One of The Following	68287	Modern Analytical Techniques	Thursday-21.11.2019	From 2.30.PM To 05.30 PM
	65032	Energy Science –III (Renewable Energy Resources)		
	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)		
Paper No. XVI – Choose Any One of The Following Subject	65037	Theoretical Physics –III (Interaction of Electromagnetic Waves with Electron Beams and Plasmas )	Saturday- 23.11.2019	From 2.30.PM To 05.30 PM
	65039	Energy Science – IV (Energy Conversion Devices)		
	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)		
PRACTICAL VII	66765(New)	Solid State Physics-IV (Energy Conversion & Storage Devices)	<i>Internal Exam</i>	
	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		
PRACTICAL VIII	64132	6. Theoretical Physics Project Work II		
	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, Sangli-92 & Satara-149)**

Branch Code - STATISTICS ( C.B.C.S.)			(Revised From Oct-2019)	
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74907	Real Analysis	Friday-22.11.2019	From 10.30 AM To 01.30 PM
II	74908	Linear Algebra	Monday-25.11.2019	
III	74909	Distribution Theory	Wednesday-27.11.2019	
IV	74910	Estimation Theory	Friday- 29.11.2019	
V	74911	Statistical Computing	Monday-02.12.2019	
74912	<b>Practical - I</b>		<i>Internal Exam</i>	

Branch Code - STATISTICS ( C.B.C.S.)				From Oct-2016
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68228	Statistical Mathematics – I	Friday-22.11.2019	From 10.30 AM To 01.30 PM
II	68229	Statistical Mathematics – II	Monday-25.11.2019	
III	68230	Distribution Theory	Wednesday-27.11.2019	
IV	68231	Estimation Theory	Friday- 29.11.2019	
V	68232	Statistical Computing	Monday-02.12.2019	
	<b>68234</b>	<b>Practical - I</b>	<i>Internal Exam</i>	

Branch Code - STATISTICS ( C.B.C.S.)				From April-2017
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
VI	69598	Probability Theory	Friday- 13.11.2019	From 10.30 AM To 01.30 PM
VII	69599	Theory of Testing of Hypothesis	Tuesday-14.11.2019	
VIII	69600	Multivariate Analysis	Friday- 15.11.2019	
IX	69601	Linear Models & Design of Experiments	Monday- 19.11.2019	
X	69602	Sampling Theory	Wednesday- 20.1.2019	
	<b>69603</b>	<b>Practical - II</b>	<i>Internal Exam</i>	

Branch Code - STATISTICS ( C.B.C.S.)				From Oct-2017
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	69604	Asymptotic Inference	Saturday- 23.11.2019	From 10.30 AM To 01.30 PM
XII	69605	Elementary Stochastic Processes	Tuesday-26.11.2019	
XIII	69606	Planning and Analysis of Industrial Experiments	Thursday- 28.11.2019	
<b>Paper No. XIV &amp; XV :- Choose Any Two of the Following Papers</b>				
	69609	Reliability Theory	Saturday- 30.11.2019	From 10.30 AM To 01.30 PM
	69614	Statistical Methods in Clinical Trials		
	69610	Regression Analysis	Tuesday- 03.12.2019	
	<b>69608</b>	<b>Practical - III</b>	<i>Internal Exam</i>	

Branch Code - STATISTICS ( C.B.C.S.)				From April-2018
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XVI	71107	Optimization Techniques (OT)	Friday- 13.11.2019	From 02.30 PM To 05.30 PM
<b>Paper No. XVII &amp; XX :- Choose Any Four of the Following Papers</b>				
	71109	Generalized Linear Models	Tuesday-14.11.2019	From 02.30 PM To 05.30 PM
	71110	Survival Analysis(SA)	Friday- 15.11.2019	
	71111	Data Mining (DM)	Monday- 19.11.2019	
	71112	Statistical Quality Control	Wednesday- 20.1.2019	
	71113	Time Series Analysis (TSA)	Thursday- 21.11.2019	
	<b>71108</b>	<b>Practical IV and Project(P&amp;P)</b>	<i>Internal Exam</i>	

**M.Sc. Applied Statistics & Informatics [ C.B.C.S. ]**  
**Exam Center & College Code :- (Kolhapur-550)**

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				(Revised From Oct-2019)
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74974	Fundamentals Of Computer Programming	Friday-22.11.2019	From 10.30 AM To 01.30 PM
II	74975	Linear Algebra	Monday-25.11.2019	
III	74976	Distribution Theory	Wednesday- 27.11.2019	
IV	74977	Estimation Theory	Friday-29.11.2019	
V	74978	Statistical Computing	Monday-02.12.2019	
	74980	Communicative English - I	<b><i>Internal Exam</i></b>	
	<b>74979</b>	<b>Practical - I</b>	<i>Internal Exam</i>	



Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				(Revised From Oct-2018)
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71445	Fundamentals of Computer Programming	Friday-22.11.2019	From 10.30 AM To 01.30 PM
II	71446	Statistical Mathematics	Monday-25.11.2019	
III	71447	Distribution Theory	Wednesday- 27.11.2019	
IV	71448	Estimation Theory	Friday-29.11.2019	
V	71449	Statistical Computing	Monday-02.12.2019	
	71450	Communication Skills	<b>Internal Exam</b>	
	<b>71451</b>	<b>Practical-I(PRACT-I)</b>	<i>Internal Exam</i>	

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				From April-2014
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
VI	61501	Probability Theory	Friday- 13.11.2019	From 02.30 PM To 05.30 PM
VII	61502	Multivariate Analysis	Tuesday-14.11.2019	
VIII	61503	Sampling Theory	Friday- 15.11.2019	
IX	61504	Linear Models and Design of Experiments	Monday- 19.11.2019	
X	61505	Advanced Data Structure with C++	Wednesday- 20.1.2019	
	<b>61506</b>	<b>Practical - II</b>	<i>Internal Exam</i>	

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				(Revised From April-2019)
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
VI	72955	Advanced Data Structure with C++	Friday- 13.11.2019	From 02.30 PM To 05.30 PM
VII	72956	Theory of Testing of Hypotheses	Tuesday-14.11.2019	
VIII	72957	Multivariate Analysis	Friday- 15.11.2019	
IX	72958	Linear Models of design of Experiments	Monday- 19.11.2019	
X	72959	Sampling Theory	Wednesday- 20.1.2019	
	<b>72960</b>	<b>Practical - II</b>	<i>Internal Exam</i>	

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				(Revised From April-2019)
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	74593	Database Management System	Saturday- 23.11.2019	From 10.30.AM To 01.30 PM
XII	74594	Elementary Stochastic Processes	Tuesday-26.11.2019	
XIII	74595	Planning And Analysis Of Industrial Experiments	Thursday- 28.11.2019	
XIV	74596	Design And Analysis Of Sample Surveys	Saturday-30.11.2019	
<b>Choose Any One of the Following Papers</b>				
	74598	Reliability Theory	Tuesday- 03.12.2019	
	74599	Regression Analysis	Thursday-05.12.2019	
	<b>74597</b>	<b>Practical - III</b>		

**M.Sc. Applied Statistics & Informatics [ C.B.C.S. ]**  
**Exam Center & College Code :- (Kolhapur-550)**

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				From Oct. 2014
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XI	64532	Stochastic Processes	Saturday- 23.11.2019	From 10.30.AM To 01.30 PM
XII	64533	Computer Graphics	Tuesday-26.11.2019	
XIII	64534	Regression Analysis	Thursday- 28.11.2019	
XIV	64537	Data Base Management System	Saturday-30.11.2019	
XV	64538	Reliability and Survival Analysis	Tuesday- 03.12.2019	
	<b>64541</b>	<b>Practical - III</b>	<i>Internal Exam</i>	

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				From April-2015
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XVI	65070	Optimization Techniques	Friday- 13.11.2019	From 02.30 PM To 05.30 PM
XVII	65071	Discrete Data Analysis	Tuesday-14.11.2019	
XVIII	65073	Time Series Analysis	Friday- 15.11.2019	
XIX	65075	Industrial Statistics	Monday- 19.11.2019	
XX	65077	Data Warehousing and Data Mining	Wednesday- 20.1.2019	
	65072	Practical –IV & Project	<i>Internal Exam</i>	

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

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

Branch Code - ENVIRONMENTAL SCIENCE ( C.B.C.S.)				(Revised From Oct-2019)
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74901	Introduction To Environmental Science	Tuesday- 15.10.2019	From 10.30.AM To 01.30 PM
II	74902	Environmental Chemistry	Thursday- 17.10.2019	
III	74903	Environmental Biology	Saturday-19.10.2019	
IV	74904	Information Technology In Environmental Sciences	Wednesday- 23.10.2019	
	74906	Non Credit	<i>Internal Exam</i>	
	74905	Practical - I	<i>Internal Exam</i>	

Branch Code - ENVIRONMENTAL SCIENCE ( C.B.C.S.)				From Oct. 2013
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59770	Introduction to Environmental Science	Tuesday- 15.10.2019	From 10.30.AM To 01.30 PM
II	59771	Environmental Chemistry	Thursday- 17.10.2019	
III	59772	Environmental Biology	Saturday-19.10.2019	
IV	59773	Information Technology in Environmental Science	Wednesday- 23.10.2019	
	59775	Practical - I	<i>Internal Exam</i>	
	59776	Practical – II	<i>Internal Exam</i>	

Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.)				From April-2014
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61325	Environmental Engineering	Tuesday- 15.10.2019	From 02.30 PM To 05.30 PM
VI	61326	Environmental Pollution and Control	Thursday- 17.10.2019	
VII	61327	Environmental Geoscience and Climatology	Saturday-19.10.2019	
VIII	61328	Environmental Monitoring and Energy Studies	Wednesday-23.10.2019	
	61329	Practical - III	<i>Internal Exam</i>	
	61330	Practical - IV	<i>Internal Exam</i>	

Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.)				From Oct. 2014
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64165	Natural Resources and their Management	Wednesday- 16.10.2019	From 10.30.AM To 01.30 PM
X	64166	Environmental Statistics and Computer Applications	Friday-18.10.2019	
XI	64167	Environmental Policy and legislation	Thursday-24.10.2019	
XII	64168	Environmental Toxicology and Public Health	Friday-25.10.2019	
	64648	Vermicomposting	<i>Internal Exam</i>	
	64170	Project	<i>Internal Exam</i>	
	64171	Practical VI – ( Environmental Statistics and Toxicology )	<i>Internal Exam</i>	

Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.)				From April-2015
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65019	Socio- Economic Aspects of Environment	Wednesday-16.10.2019	From 02.30 PM To 05.30 PM
XIV	65020	Environmental Hazards and Disaster Management	Friday-18.10.2019	
XV	65021	Environmental Planning and Management	Thursday-24.10.2019	
XVI	65022	Environmental Biotechnology	Friday-25.10.2019	
	65023	Practical VII	<i>Internal Exam</i>	
	65024	Practical VIII		

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

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

Branch Code - FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.)				(Revised From Oct-2019)
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74919	Principles Of Food Processing & Preservation	Wednesday- 13.11.2019	From 10.30 AM To 01.30 PM
II	74920	Food Microbiology	Friday- 15.11.2019	
III	74921	Food Chemistry	Tuesday- 19.11.2019	
IV	74922	Biochemistry And Nutrition	Thursday- 21.11.2019	
	74924	Communicative English- I		
	74923	Practical I	<i>Internal Exam</i>	

Branch Code - FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.)				From Oct. 2013
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	59783	Principles of Food Processing & Preservation	Wednesday- 13.11.2019	From 10.30 AM To 01.30 PM
II	59784	Food Microbiology	Friday- 15.11.2019	
III	59785	Food Chemistry	Tuesday- 19.11.2019	
IV	59786	Biochemistry & Nutrition	Thursday- 21.11.2019	
	59787	Practical I	<i>Internal Exam</i>	
	59788	Practical II		

Branch Code - FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.)				From April-2014
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61337	Fruit and Vegetable Technology	Wednesday- 13.11.2019	From 02.30 PM To 05.30 PM
VI	61338	Principles of Food Engineering	Friday- 15.11.2019	
VII	61339	Cereal and Legume Technology	Tuesday- 19.11.2019	
VIII	61340	Fermentation Technology	Thursday- 21.11.2019	
	61341	Practical III	<i>Internal Exam</i>	
	61342	Practical IV		

Branch Code - FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.)				From Oct. 2014
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64191	Technology of Meat, Fish & Poultry Products	Wednesday- 20.11.2019	From 10.30.AM To 01.30 PM
X	64192	Technology of Milk & Milk Products	Friday- 22.11.2019	
XI	64193	Food Quality & Safety Management	Monday- 25.11.2019	
XII	64194	Food Additives, Contaminants & Toxicology	Wednesday- 27.11.2019	
	64195	Laboratory Course – V	<i>Internal Exam</i>	
	64196	Laboratory Course – VI		

Branch Code - FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.)				From April-2015
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
XIII	65134	Food Packaging	Wednesday- 20.11.2019	From 02.30 PM To 05.30 PM
XIV	65135	Technology of Oilseeds & Fats	Friday- 22.11.2019	
XV	65136	Food Biotechnology	Monday- 25.11.2019	
XVI	65137	Post-Harvest Technology of Plantation Crops	Wednesday- 27.11.2019	
	65138	Laboratory Course – VII	<i>Internal Exam</i>	
	65139	Laboratory Course – VIII		

### M.Sc Alcohol Technology ( C.B.C.S. )

#### Exam Center & College Code :- (Urun Islampur-444)

Branch Code - Alcohol Technology ( C.B.C.S. )				From May- 2017
Part I - Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68596	Organic Chemistry	Tuesday- 15.10.2019	From 10.30 AM To 01.30 PM
II	68597	Basic of Fermentation	Thursday- 17.10.2019	
III	68598	Alcohol Technology - I	Saturday-19.10.2019	
IV	68599	Microbiology – I	Wednesday-23.10.2019	
<b>Parctical</b>	<b>68600</b>	<b>Alcohol Technology Parctical – I</b>	<i>Internal Exam</i>	
	<b>68601</b>	<b>Microbiology Parctical - I</b>		

Branch Code - Alcohol Technology ( C.B.C.S. )				From Oct- 2017
Part I - Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68602	Bio-Chemistry	Tuesday- 15.10.2019	From 02.30.PM To 06.00 PM
II	68603	Fermentation Technology	Thursday- 17.10.2019	
III	68604	Alcohol Technology	Saturday-19.10.2019	
IV	68605	Microbiology	Wednesday-23.10.2019	
<b>Parctical</b>	<b>68606</b>	<b>Alcohol Technology-II(ALCTEHP2)</b>	<i>Internal Exam</i>	
	<b>68607</b>	<b>Microbiology-II(MICRO2)</b>		

Branch Code - Alcohol Technology ( C.B.C.S. )				From March- 2018
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68636	Alcohol Technology-III	Wednesday- 16.10.2019	From 10.30 AM To 01.30 PM
II	68637	Microbiology III	Friday-18.10.2019	
III	68638	Fermentation Technology-III	Thursday- 24.10.2019	
<b>Paper No.IV</b>	<b>Paper No.IV :- Choose Any One of the Following Papers</b>			
	68639	Industrial waste treatments & Environmental management	Friday-25.10.2019	
	68640	Sugar Technology (ST)		
68641	Instrumentation & Automation in Distillery.			
<b>Parctical</b>	<b>68642</b>	<b>Alcohol Technology Practical III(ATPRA3)</b>	<i>Internal Exam</i>	
	<b>68643</b>	<b>Microbiology III(MICROPRA3)</b>		

Branch Code - Alcohol Technology ( C.B.C.S. )				(From Oct-2018)
Part II - Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68644	Alcohol & Beverages production from grain and other sources	Wednesday-16.10.2019	From 02.30.PM To 05.30 PM
II	68645	Production of ENA, ETHNOL &IMFL	Friday-18.10.2019	
III	68646	Chemical Engineering	Thursday-24.10.2019	
Paper No.IV	Paper No.IV :- Choose Any One of the Following Papers			
	68647	General Engineering	Friday-25.10.2019	
	68648	Pollution Prevention & Control		
68649	Business management & marketing			
Parctical	68650	Technical Easy on Elective Subject	<i>Internal Exam</i>	
	68651	Inplant Training		

### M.Sc. Sugar Technology ( C.B.C.S. )

#### Exam Center & College Code :- (Urun Islampur-444)

Branch Code- Sugar Technology ( C.B.C.S. )				From May-2017
Part I - Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68608	Sugar Cane Agriculture	Tuesday- 15.10.2019	From 10.30 AM To 01.30 PM
II	68609	Sugar Processing-Clarification	Thursday- 17.10.2019	
III	68610	Sugar Engineering-Milling	Saturday-19.10.2019	
IV	68611	Chemical Control	Wednesday-23.10.2019	
Parctical	68612	Sugar Cane Agriculture	<i>Internal Exam</i>	
	68613	Sugar Technology-1		

Branch Code- Sugar Technology ( C.B.C.S. )				From Oct-2017
Part I - Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68614	Sugar Chemistry(SUCHEM)	Tuesday- 15.10.2019	From 02.30.PM To 05.30 PM
II	68615	Sugar Processing-Evaporation(SPEVA)	Thursday-17.10.2019	
III	68616	Sugar Engineering-Steam & Power Generation(SEEPG)	Saturday-19.10.2019	
IV	68617	Equipment Design and Drawing(EDD)	Wednesday-23.10.2019	
Parctical	68618	Sugar Chemistry (Practical)(SCHEM)	<i>Internal Exam</i>	
	68619	Sugar Technology-II(SUTECH)		

Branch Code - Sugar Technology ( C.B.C.S. )				From March- 2018
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68620	Equipments Capacity Calculation(ECC)	Wednesday-16.10.2019	From 10.30 AM To 01.30 PM
II	68621	Sugar Processing-Crystallzation(SPC)	Friday-18.10.2019	
III	68622	Chemical Engineering-Heat & Momentum Transfer(CEHMT)	Thursday-24.10.2019	
Paper No.IV	Paper No.IV :- Choose Any One of the Following Papers			
	68623	Alcohol Technology(ALCOTECH)	Friday-25.10.2019	
	68624	Bio-Chemical Engineering(BCE)		
68625	Electronics and Instrumention Engineering(EIE)			
Parctical	68626	Sugar Technology III(ST3)	<i>Internal Exam</i>	
	68627	Practical on Elective Subject(PES)		

Branch Code - Sugar Technology (C.B.C.S.)				(From Oct-2018)
Part II - Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	68628	Sugar Processing-Finishing	Wednesday-16.10.2019	From 02.30 PM To 05.30 PM
II	68629	Allid Sugar Manufacturing	Friday-18.10.2019	
III	68630	Chemical Engineering-Unit Operation	Thursday-24.10.2019	
<b>Paper No.IV</b>	<b>Paper No.IV :- Choose Any One of the Following Papers</b>			
	68631	Energy Conversion and Cogeneration	Friday-25.10.2019	
	68632	Pollution Prevention and Control		
	68633	Water Management and Zero Discharge		
<b>Parctical</b>	<b>68634</b>	<b>Technical Easy on Elective Subject (Self Study)</b>	<i>Internal Exam</i>	
	<b>68635</b>	<b>In Plant Training ( Project Report)</b>		

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

**Exam Center & College Code :- (Karad-156)**

Branch Code - Industrial Microbiology (C.B.C.S.)				From Dec- 2017
Part I - Sem I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	70801	Taxonomy and Cytology of Microorganisms(TCM)	Tuesday- 15.10.2019	From 10.30.AM To 01.30 PM
II	70802	Virology(V)	Thursday- 17.10.2019	
III	70803	Genetics and Molecular Biology(GMB)	Saturday-19.10.2019	
IV	70804	Immunology(IMM)	Wednesday-23.10.2019	
<b>Parctical</b>	<b>70805</b>	<b>Practical Course- I(PC- I)</b>	<i>Internal Exam</i>	
	<b>70806</b>	<b>Practical Course- II(PC-II)</b>		

Branch Code - Industrial Microbiology (C.B.C.S.)				From May- 2018
Part I - Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71078	Techniques in Microbiology(TM)	Tuesday- 15.10.2019	From 02.30.PM To 05.30 PM
II	71079	Microbial Physiology, Biochemistry and Metabolism (MPB&M)	Thursday- 17.10.2019	
III	71080	Medical Microbiology(MM)	Saturday-19.10.2019	
IV	71081	Microbial Ecology(ME)	Wednesday-23.10.2019	
<b>Parctical</b>	<b>71082</b>	<b>Practical Cource-III(PC-III)</b>	<i>Internal Exam</i>	
	<b>71083</b>	<b>Practical Course-IV(PC-IV)</b>		

Branch Code - Industrial Microbiology (C.B.C.S.)				(From Oct-2018)
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71620	Microbial Technology	Wednesday- 16.10.2019	From 10.30.AM To 01.30 PM
II	71621	Fermentation technology-I	Friday-18.10.2019	
III	71622	Enzymology and Enzyme Technology	Thursday-24.10.2019	
IV	71623	Entrepreneurship Development and Modern Management Practice	Friday-25.10.2019	
<b>Parctical</b>	<b>71624</b>	<b>Practical Course-V</b>	<i>Internal Exam</i>	
	<b>71625</b>	<b>Practical Course-VI</b>		

Branch Code - Industrial Microbiology ( C.B.C.S. )				(From April-2019)
Part II - Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71626	Fermentation Technology-II	Wednesday-16.10.2019	From 02.30.PM To 05.30 PM
II	71627	Food and Dairy Micrology	Friday-18.10.2019	
III	71628	Quality Assurance and Industrial Laws	Thursday-24.10.2019	
IV	71629	Industrial Waste Management	Friday-25.10.2019	
Parctical	7130	Practical Course-VII	<i>Internal Exam</i>	
	71631	Practical 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)**

Branch Code - GEOGRAPHY ( C.B.C.S. )				(Revised From Oct-2019)
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74960	Fundamentals Of Geomorphology	Thursday- 07.11.2019	From 10.30 AM To 01.30 PM
II	74961	Principles Of Climatology	Saturday-09.11.2019	
III	74962	Economic Geography	Monday-11.11.2019	
IV	74963	Geography Of Population And Human Resource	Wednesday-13.11.2019	
	74965	Non Credit	<i>Internal Exam</i>	
	74964	Practical I	<i>Internal Exam</i>	

Branch Code - GEOGRAPHY ( C.B.C.S. )				(Revised From Oct-2018)
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	72008	Fundamentals of Geomorphology	Thursday- 07.11.2019	From 10.30 AM To 01.30 PM
II	72009	Principles of Climatology	Saturday-09.11.2019	
III	72010	Economic Geography	Monday-11.11.2019	
IV	72011	Geography of Population and Human Resourceh Development	Wednesday-13.11.2019	
	72012	Practical in Geomorphology and Field Survey	<i>Internal Exam</i>	
	72013	Analysis of Socio-economic and Climatic Data		

Branch Code - GEOGRAPHY ( C.B.C.S. )				From April-2014
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	61515	Advanced Geomorphology	Thursday- 07.11.2019	From 02.30.PM To 05.30 PM
VI	61516	Applied Climatology	Saturday-09.11.2019	
VII	61517	Geography of India	Monday-11.11.2019	
VIII	61518	Social & Cultural Geography	Wednesday-13.11.2019	
	61519	Practical III	<i>Internal Exam</i>	
	61520	Practical IV		

Branch Code - GEOGRAPHY ( C.B.C.S. )				(Revised From April-2019)
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	72942	Applied Geomorphology	Thursday- 07.11.2019	From 02.30.PM To 05.30 PM
VI	72943	Applied Climatology and Climate Change	Saturday-09.11.2019	
<b>Paper No.:- I – Choose Any One of the Following</b>				
VII	72944	Social and Cultural Geography	Monday-11.11.2019	
	72945	Geography of India		
<b>Paper No.:- II – Choose Any One of the Following</b>				
VIII	72946	Political Geography	Wednesday-13.11.2019	
	72947	Geography of Health		
	72948	Practical III	<i>Internal Exam</i>	
	72949	Practical IV		

Branch Code - GEOGRAPHY ( C.B.C.S.)				(Revised From Oct-2019)	
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
I	74016	Geohydrology and oceanography	Tuesday-08.11.2019	From 10.30 AM To 01.30 PM	
II	74017	Fundamentals Of Remote Sensing and Digital Image Processing	Thursday-14.11.2019		
<b>Choose Any One of the Following</b>					
III	74018	Geography Of Environment	Tuesday-16.11.2019		
IV	74019	Biogeography			
<b>Choose Any One of the Following</b>					
V	74020	Settlement Geography	Thursday-19.11.2019		
	74021	Advance Cartography and Surveying			
	<b>74022</b>	<b>Practical:- Research Methodology in Geography</b>			
	<b>74023</b>	<b>Practical:- Photogrammetry,Remote Sensing and Digital Image</b>			

Branch Code - GEOGRAPHY ( C.B.C.S.)				From Oct. 2014	
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
IX	64604	Regional Planning and Development	Tuesday-08.11.2019	From 10.30 AM To 01.30 PM	
X	64605	Fundamentals and Applications of Remote Sensing	Thursday-14.11.2019		
XI	<b>Paper No.:- XI – Choose Any One of the Following</b>		Tuesday-16.11.2019		
	64606	Environmental Geography			
	64607	Geography of Tourism			
XII	<b>Paper No. XII :- Choose Any One Of The Following Papers</b>		Thursday-19.11.2019		
	64608	Surveying, Cartography & GIS			
	64609	Political Geogrphy			
	<b>64610</b>	<b>Practical V :- ( Photogrammetry, Remote Sensing and GIS )</b>			<i>Internal Exam</i>

Branch Code - GEOGRAPHY ( C.B.C.S.)				From April-2015	
Part II :- Sem.-IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
XIII	65005	Development of Geographical Thought	Tuesday-08.11.2019	From 02.30 PM To 05.30 PM	
XIV	65006	Geohydrology & Oceanography	Thursday-14.11.2019		
XV	<b>Paper No.:- XI – Choose Any One of the Following</b>		Tuesday-16.11.2019		
	65009	Agricultural Geography			
	65010	Settlement Geography			
XIV	<b>Paper No. XII :- Choose Any One Of The Following Papers</b>		Thursday-19.11.2019		
	65011	Biogeography			
	65012	Medical Geography			
	<b>65007</b>	<b>Project - Research Methodology and Study Tour Report Writing</b>			<i>Internal Exam</i>
	<b>65008</b>	<b>Project</b>			

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

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

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				(Revised From Oct-2018)
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
V	71453	Advanced Calculus	Thursday-07.11.2019	From 10.30 AM To 01.30 PM
III	71454	Linear Algebra	Saturday- 09.11.2019	
I	71455	Discrete Mathematical Structures-I	Monday- 11.11.2019	
IV	71456	Computer Architecture	Wednesday- 13.11.2019	
II	71457	Programming in C	Friday -15.11.2019	
	<b>71458</b>	<b>Lab Work I</b>		



Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				From April-2015
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	64917	Real Analysis	Thursday-07.11.2019	From 02.30 PM To 05.30 PM
II	64918	Operations Research	Saturday- 09.11.2019	
IV	64920	Operating Systems	Monday- 11.11.2019	
V	64921	Data Structures Using C	Wednesday- 13.11.2019	
III	64919	Discrete Mathematical Structures – II	Friday -15.11.2019	
	<b>64922</b>	<b>Lab Work II</b>	<i>Internal Exam</i>	

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				(Revised From April-2019)
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	71460	Functional Analysis	Thursday-07.11.2019	From 02.30 PM To 05.30 PM
II	71461	Algebra	Saturday- 09.11.2019	
IV	71464	Operating Systems	Monday- 11.11.2019	
V	71463	Data Structures Using-C	Wednesday- 13.11.2019	
III	71462	Discrete Mathematical Structures-II	Friday -15.11.2019	
	<b>71465</b>	<b>Lab Work II</b>	<i>Internal Exam</i>	

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				(Revised From Oct-2019)
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	74024	Complex Analysis	Monday – 08.11.2019	From 10.30.AM To 01.30 PM
II	74025	ODE	Friday – 14.11.2019	
IV	74026	DAA-I	Saturday –16.11.2019	
V	74027	Database System	Tuesday -19.11.2019	
III	74028	Object Oriented Programming with C++	Thursday – 21.11.2019	
	<b>74029</b>	<b>Lab Work III</b>	<i>Internal Exam</i>	

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				From Oct-2015
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	65753	Complex Analysis	Monday – 08.11.2019	From 10.30.AM To 01.30 PM
II	65752	Linear Algebra	Friday – 14.11.2019	
IV	65754	Object Oriented Programming with C++	Saturday –16.11.2019	
V	65755	Database Systems	Tuesday -19.11.2019	
III	65756	Design and analysis of Algorithms I	Thursday – 21.11.2019	
	<b>65757</b>	<b>Lab Work</b>	<i>Internal Exam</i>	

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				From April-2016
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	67155	Functional Analysis	Monday – 08.11.2019	From 02.30.PM To 05.30 PM
II	67156	Differential Equations	Friday – 14.11.2019	
IV	67157	Design and Analysis of Algorithms-II	Saturday –16.11.2019	
V	67158	Object Oriented Programming With Java	Tuesday -19.11.2019	
VI	67159	Linux Operating System	Thursday – 21.11.2019	
	<b>67160</b>	<b>Lab Work -IV</b>	<i>Internal Exam</i>	

Branch Code		- M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)		From Oct-2016
Part III :- Sem.-V				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
I	67980	Compiler Techniques	Saturday -23.11.2019	From 10.30 AM To 01.30 PM
II	67981	Software Engineering	Monday -25.11.2019	
III	67982	Computer Networks	Wednesday- 27.11.2019	
IV	67983	Computer Graphics	Friday-29.11.2019	
<b>Paper No. V- Choose any One of the following</b>				
	67984	Web Technology	Monday – 02.12.2019	From 10.30 AM To 01.30 PM
	67985	PHP with MySQL		
	67986	Android Programmimg		
	67987	Advanced Java		
	<b>67988</b>	<b>Lab Work</b>	<i>Internal Exam</i>	

- 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 :- 30 September 2019

**Shri. G R Palse**  
I/c **DIRECTOR**  
**BOARD OF EXAMINATIONS AND EVALUATION**