



**SHIVAJI UNIVERSITY KOLHAPUR**

**Circular No.4146 Winter Session Online Oct-2020**

**Revised Final Programme of M.Sc .Part-I Sem-II and Part-II Sem-III & IV C.B.C.S (Course Code 205) Statistics, Applied Statistics and Informatics & M.A/M.Sc. Mathematics, (Course Code 252) M.Sc. Tech. Part-I Sem-II, III, IV, & V Examination Oct-2020 to be held April/May-2021.**

**INSTRUCTIONS:** Common instruction as per Circular No.SU/Appointment/RVC/504 dated 06 -03- 2021, and also available in University website [www.unishivaji.ac.in](http://www.unishivaji.ac.in).

1. The Online examination schedule will be conducted in following order

**M.Sc. Statistics**

**C.N. 223**

Branch Code - STATISTICS ( C.B.C.S.) Old			From April-2017	
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
VI	69598	Probability Theory	20-04-2021 Tuesday	10.30. a.m. To 11.30 a.m.
VII	69599	Theory of Testing of Hypothesis	19-04-2021 Monday	
VIII	69600	Multivariate Analysis	20-04-2021 Tuesday	02.30. p.m. To 03.30 p.m.
IX	69601	Linear Models & Design of Experiments	16-04-2021 Friday	10.30. a.m. To 11.30 a.m.
X	69602	Sampling Theory	22-04-2021 Thursday	

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

**C.N. 223**

Branch Code - STATISTICS( C.B.C.S.)			From April-2020	
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
VI	74913	Probability Theory	20-04-2021 Tuesday	10.30. a.m. To 11.30 a.m.
VII	74914	Theory of Testing of Hypothesis	19-04-2021 Monday	
VIII	74915	Regression Analysis	15-04-2021 Thursday	
IX	74916	Design and Analysis of Experiments	16-04-2021 Friday	
X	74917	Sampling Theory and Official Statistics	22-04-2021 Thursday	

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

**C.N. 224**

Branch Code - STATISTICS ( C.B.C.S.) Old			From Oct-2017	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
<b>Paper No. XIV &amp; XV :- Choose Any Two of the Following Papers</b>				
	69609	Reliability Theory	19-04-2021 Monday	02.30. p.m. To 03.30 p.m.
	69614	Statistical Methods in Clinical Trials		
	69610	Regression Analysis	15-04-2021 Thursday	10.30. a.m. To 11.30 a.m.

Branch Code - STATISTICS ( C.B.C.S.) From Oct-2020				
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
<b>Choose Any One of the Following</b>				
XIV	80987	Time Series Analysis	16-04-2021 Friday	02.30. p.m. To 03.30 p.m.
	80988	Statistical Ecology		
<b>Choose Any One of the Following</b>				
XV	80981	Multivariate Analysis	20-04-2021 Tuesday	02.30. p.m. To 03.30 p.m.
	80982	Bayesian Inference		
	81347	Regression Analysis	15-04-2021 Thursday	10.30. a.m. To 11.30 a.m.

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

C.N. 225

Branch Code - STATISTICS ( C.B.C.S.) From April-2018				
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
<b>Paper No. XVII To XX :- Choose Any Four of the Following Papers</b>				
	71110	Survival Analysis(SA)	15-04-2021 Thursday	02.30. p.m. To 03.30 p.m
	71113	Time Series Analysis (TSA)	16-04-2021 Friday	
	71112	Statistical Quality Control	19-04-2021 Monday	

## M.Sc. Applied Statistics &amp; Informatics

M.Sc. Applied Statistics &amp; Informatics [ C.B.C.S. ]Old

C.N. 223

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

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.) From April-2019				
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
V	72955	Advanced Data Structure with C++	20-04-2021 Tuesday	10.30. a.m. To 11.30 a.m.
VI	72956	Theory of Testing of Hypotheses	19-04-2021 Monday	
VII	72957	Multivariate Analysis	20-04-2021 Tuesday	02.30. p.m. To 03.30 p.m.
VIII	72958	Linear Models of design of Experiments	16-04-2021 Friday	10.30. a.m. To 11.30 a.m.
IX	72959	Sampling Theory	22-04-2021 Thursday	

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.) New				From	April-2020
Part I :- Sem.-II					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I	
V	79516	Advanced Data Structure with C++	20-04-2021 Tuesday	10.30. a.m. To 11.30 a.m	
VI	79517	Theory of Testing of Hypothesis	19-04-2021 Monday		
VII	79518	Regression Analysis	15-04-2021 Thursday		
VIII	79519	Design and Analysis of Experiments	16-04-2021 Friday		
IX	79520	Sampling Theory and Official Statistics	22-04-2021 Thursday		

## M.Sc. Applied Statistics &amp; Informatics [ C.B.C.S. ]Old

C.N. 224

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)Old				From	Oct-2019
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III	
XIII	74596	Design And Analysis Of Sample Surveys	16-04-2021 Friday	02.30. p.m. To 03.30 p.m..	
<b>Choose Any One of the Following Papers</b>				02.30. p.m. To 03.30 p.m..	
XIV	74598	Reliability Theory	19-04-2021 Monday		
	74599	Regression Analysis	15-04-2021 Thursday		

## M.Sc. Applied Statistics &amp; Informatics [ C.B.C.S. ]New

C.N. 224

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.) New				From	Oct-2020
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III	
<b>Choose Any One of the Following</b>				02.30. p.m. To 03.30 p.m.	
XIII	80598	Time Series Analysis	16-04-2021 Friday		
	80599	Statistical Ecology			
<b>Choose Any One of the Following</b>				02.30. p.m. To 03.30 p.m.	
XIV	80592	Multivariate Analysis	20-04-2021 Tuesday		
	80593	Bayesian Inference			
	81347	Regression Analysis	15-04-2021 Thursday	10.30. a.m. To 11.30 a.m.	

## M.Sc. Applied Statistics &amp; Informatics [ C.B.C.S. ]Old

C.N. 225

Branch Code - APPLIED STATISTICS & INFORMATICS ( C.B.C.S.)				From	April-2015
Part II :- Sem.-IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III	
XVIII	65073	Time Series Analysis	16-04-2021 Friday	02.30. p.m. To	
XIX	65075	Industrial Statistics	19-04-2021 Monday	03.30 p.m.	

<b>Branch Code - APPLIED STATISTICS &amp; INFORMATICS ( C.B.C.S.)</b>				<b>From April-2020</b>
<b>Part II :- Sem.-IV</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-III</b>
<b>XVI</b>	79379	Python for Data Science	26-04-2021 Monday	02.30. p.m. To 03.30 p.m
<b>XVII TO XX Choose Any Three of the Following Papers</b>				02.30. p.m. To 03.30 p.m
	79382	Survival Analysis	19-04-2021 Monday	
	79384	Time Series Analysis	16-04-2021 Friday	
	79383	Statistical Quality Control	20-04-2021 Tuesday	
	79385	Statistical Ecology	22-04-2021 Thursday	
	79386	Econometrics	23-04-2021 Friday	
	79388	Bioinformatics	15-04-2021 Thursday	

**M.A/M.Sc. Mathematics**

**C.N. 217**

**M.A/M.Sc. Mathematics( C.B.C.S. ) old**

<b>Branch Code - Mathematics ( C.B.C.S.)</b>				<b>From Oct-2018</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>Session-I</b>
VI	63303/ 71421	Functional Analysis	28-04-2021 Wednesday	10.30.a.m. To 11.30 a.m.
VII	59827/ 71422	Algebra	29-04-2021 Thursday	
VIII	61382/ 71423	General Topology	30-04-2021 Friday	
IX	69566/ 71424	Numerical Analysis	03-05-2021 Monday	
X	63319/ 71425	Partial Differential Equations	04-05-2021 Tuesday	

**M.A/M.Sc. Mathematics ( C.B.C.S. ) New**

**C.N. 217**

<b>Branch Code - Mathematics ( C.B.C.S.)</b>				<b>(From April-2020)</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>Session-I</b>
VI	79315	Functional Analysis	28-04-2021 Wednesday	10.30.a.m To 11.30. a.m.
VII	79316	Algebra	29-04-2021 Thursday	
VIII	79317	General Topology	30-04-2021 Friday	
IX	79318	Numerical Analysis	03-05-2021 Monday	
X	79319	Partial Differential Equations	04-05-2021 Tuesday	

Branch Code - Mathematics ( C.B.C.S.)		(From April-2020)		
		Part II - Sem III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
<b>XIII, XIV &amp; XV Any Three of the following Papers</b>				
	63316/ 73979	Operations Research – I	28-04-2021 Wednesday	02.30.p.m To 03.30.p.m.
	63314/ 73980	Fuzzy Mathematics –I	29-04-2021 Thursday	
	63305/ 73981	Fluid Dynamics	30-04-2021 Friday	
	73982	Fractional Calculus	03-05-2021 Monday	
	73983	General Relativity – I	04-05-2021 Tuesday	
	73984	Lattice Theory – I	05-05-2021 Wednesday	
	73985	Approximation Theory	15-04-2021 Thursday	
	73986	Dynamical Systems – I	16-04-2021 Friday	
	73987	Graph Theory-I	06-05-2021 Thursday	
	61385/ 73988	Differential Geometry	19-04-2021 Monday	
	63320/ 73989	Combinatorics	20-04-2021 Tuesday	
	73990	Topological Vector Spaces	22-04-2021 Thursday	
	73991	Commutative Algebra - I	23-04-2021 Friday	
	63312/ 73992	Space Dynamics- I	07-05-2021 Friday	
	73993	Theory of Computation	26-04-2021 Monday	
	73994	Algebraic Topology	27-04-2021 Tuesday	

Branch Code - Mathematics ( C.B.C.S.)			(From Oct-2020)	
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
<b>XIII, XIV &amp; XV Any Three of the following Papers</b>				
	80964	Operations Research – I	28-04-2021 Wednesday	02.30.p.m To 03.30.p.m.
	80965	Fuzzy Mathematics –I	29-04-2021 Thursday	
	80966	Fluid Dynamics	30-04-2021 Friday	
	80967	Fractional Calculus	03-05-2021 Monday	
	80968	General Relativity – I	04-05-2021 Tuesday	
	80969	Lattice Theory – I	05-05-2021 Wednesday	
	80970	Approximation Theory	15-04-2021 Thursday	
	80971	Dynamical Systems – I	16-04-2021 Friday	
	80972	Graph Theory-I	06-05-2021 Thursday	
	80973	Differential Geometry	19-04-2021 Monday	
	80974	Combinatorics	20-04-2021 Tuesday	
	80979	Probability and Stochastic Processes	22-04-2021 Thursday	
	80975	Commutative Algebra - I	23-04-2021 Friday	
	80976	Space Dynamics- I	07-05-2021 Friday	
	80977	Theory of Computation	26-04-2021 Monday	
	80978	Algebraic Topology	27-04-2021 Tuesday	

Branch Code - MATHEMATICS ( C.B.C.S.)		(Last Chance Oct-2020)		
<b>Part II :- SEM-IV</b>				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
XVII	63319	Partial Differential Equations	04-05-2021 Tuesday	10.30.a.m To 11.30.a.m.
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				
	63320	Combinatorics	20-04-2021 Tuesday	02.30.p.m To 03.30.p.m
	63335	Fractional Differential Equations	03-05-2021 Monday	
	63330	General Relativity II	27-04-2021 Tuesday	10.30.a.m To 11.30.a.m
	63324	Lattice Theory –II	28-04-2021 Wednesday	
	63328/ 79325	Fuzzy Relation And Logic	29-04-2021 Thursday	02.30.p.m To 03.30.p.m
		Fuzzy Mathematics-II		
	63325	Riemannian Geometry -II	30-04-2021 Friday	10.30.a.m To 11.30.a.m.
	63329	Computational Fluid Dynamics	03-05-2021 Monday	
	63323	Operations Research –II	15-04-2021 Thursday	
	63334	Algebraic Number Theory	16-04-2021 Friday	
	63327	Wavelet Analysis	05-05-2021 Wednesday	
	63331	Dynamical Systems- II	19-04-2021 Monday	
	63322	Commutative Algebra – II	23-04-2021 Friday	

Branch Code - MATHEMATICS ( C.B.C.S.)		(From April-2020)		
		Part II :- SEM-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				
	63335/ 79327	Fractional Differential Equations	03-05-2021 Monday	02.30.p.m To 03.30.p.m
	63330/ 79328	General Relativity-II	27-04-2021 Tuesday	10.30.a.m To 11.30.a.m
	63324/ 79329	Lattice Theory-II	28-04-2021 Wednesday	
	63328/ 79325	Fuzzy Relation And Logic Fuzzy Mathematics-II	29-04-2021 Thursday	02.30.p.m To 03.30.p.m
	79332	Graph Theory-II	04-05-2021 Tuesday	
	63329/ 79326	Computational Fluid Dynamics	03-05-2021 Monday	
	63323/ 79324	Operations Research –II	15-04-2021 Thursday	
	63334/ 79323	Algebraic Number Theory	16-04-2021 Friday	
	63327/ 79330	Wavelet Analysis	05-05-2021 Wednesday	10.30.a.m To 11.30.a.m.
	63331/ 79331	Dynamical Systems- II	19-04-2021 Monday	
	63322/ 79336	Commutative Algebra-II	23-04-2021 Tuesday	
	79333	Analysis on Manifolds	22-04-2021 Thursday	
	79475	Automata Theory	20-04-2021 Friday	
	79337	Space Dynamics-II	07-05-2021 Friday	
	79335	Theory of Distributions	30-04-2021 Friday	
	79334	Measure and Integration	06-05-2021 Thursday	



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

M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)      C.N. 271

Branch Code - M.Sc.TECH ( MATHEMATICS ) ( C.B.C.S.)		<u>(Revised From April-2019)</u>		
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	71460	Functional Analysis	16-04-2021 Friday	12.30.p.m To 01.30.p.m.
II	64596/ 71461	Algebra	23-04-2021 Friday	
IV	71464	Operating Systems	19-04-2021 Monday	
V	71463	Data Structures Using-C	20-04-2021 Tuesday	
III	71462	Discrete Mathematical Structures-II	22-04-2021 Thursday	

M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)

C.N. 272

Branch Code - - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)		<u>(Revised From Oct-2019)</u>		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
I	65753/ 74024	Complex Analysis	15-04-2021 Thursday	04.30.p.m To 05.30.p.m.
II	74025	ODE	16-04-2021 Friday	
III	74028	Object Oriented Programming with C++	19-04-2021 Monday	
V	65755/ 74027	Database System	20-04-2021 Tuesday	
IV	65756/ 74026	DAA-I	22-04-2021 Thursday	

M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.) Old

C.N. 273

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	Session-II
I	71460/ 67155	Functional Analysis	16-04-2021 Friday	12.30.P.m To 01.30.P.m.
II	74025/ 67156	Differential Equations	16-04-2021 Friday	04.30.p.m To 05.30.p.m.
IV	79485/ 67157	Design and Analysis of Algorithms-II	19-04-2021 Monday	12.30.P.m To 01.30.P.m.
V	79487/ 67158	Object Oriented Programming With Java	20-04-2021 Tuesday	
VI	67159	Linux Operating System	22-04-2021 Thursday	

<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>				<b>From March-2020</b>
<b>Part II :- Sem.-IV</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	64917/ 79483	Real Analysis	15-04-2021 Thursday	12.30.P.m To 01.30.P.m.
II	64918/ 79484	Operation Research	16-04-2021 Friday	
IV	79485	DAA-II	19-04-2021 Monday	
VI	79487	Java Programming	20-04-2021 Tuesday	
V	79486	PHP With MySQL	22-04-2021 Thursday	

<b>Branch Code - 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>Session-IV</b>
IV	67983	Computer Graphics	16-04-2021 Friday	04.30.p.m To 05.30.p.m.
<b>Paper No. V- Choose any One of the following</b>				
	67984	Web Technology	15-04-2021 Thursday	04.30.p.m To 05.30.p.m.
	67985	PHP with MySQL		
	67986	Android Programming		
	67987	Advanced Java		

Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)				From Oct-2020
Part III :- Sem.-V				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
IV	81119	Advanced Web Technology	16-04-2021 Friday	04.30.p.m To 05.30.p.m.
<b>Paper No. V- Choose any One of the following</b>				
	81123	Compiler Techniques	15-04-2021 Thursday	04.30.p.m To 05.30.p.m.
	81124	Linux Operating System		
	81125	Android Programming		
	81126	Machine Learning		

**M.Sc. Mathematics ( C.B.C.S. ) old Only Distance Education Student**

PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
XI	63303	Functional Analysis	28-04-2021 Wednesday	10.30.a.m To 11.30.a.m
XIV	63314	Fuzzy Mathematics – I	29-04-2021 Thursday	02.30.p.m To 03.30.p.m
XV	63316	Operation Research - I	28-04-2021 Wednesday	

**Note:-** In case of any Query found in respective Question Paper, student shall communicate the same through Principal / Senior Supervisor within 07 days from the date of concerned Question paper to, Deputy Registrar, Appointment Section, Room No. 205 Exam Building No. 1 Shivaji Univeristy, Kolhapur- 416004.

**Vidyanagar,  
Kolhapur – 416 004  
Date :- 11 April 2021**

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