



## SHIVAJI UNIVERSITY KOLHAPUR

**Circular No. 90 Summer Session Online March/April 2021 to be held in August/ September 2021  
Final Programme of M.Sc. (Course Code 205), M.Sc.Tech. (Mathematic) Part-I Sem-II, III, IV,  
& V (Course Code 252) Examination April-2021**

**INSTRUCTIONS:** Common instruction as per Circular No. SU/Appointment/RVC//612 dated 14-07-2021, 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. Physics

<b>Branch Code- PHYSICS ( C.B.C.S.) From Oct--2019</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>Session-II</b>
I	74934	Mathematical Physics	29-09-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
II	74935	Classical Mechanics	30-09-2021 Thursday	
III	74936	Quantum Mechanics-I	01-10-2021 Friday	
IV	74937	Condensed Matter Physics	04-10-2021 Monday	

<b>Branch Code - Physics ( C.B.C.S.) 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-IV</b>
V	79543	Quantum Mechanics-II	29-09-2021 Wednesday	<b>From 04.30 p.m. to 05.30 p.m</b>
VI	79544	Statistical Mechanics	30-09-2021 Thursday	
VII	79545	Electrodynamics	01-10-2021 Friday	
VIII	79546	Atomic & Molecular Physics	04-10-2021 Monday	

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

<b>Branch Code - Physics ( C.B.C.S.) Old</b>			<b>From Oct-2019</b>	
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
<b>IX</b>	74677	Nuclear and Particle Physics	17-08-2021 Tuesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	74650	Data Analysis and Statistical Software	18-08-2021 Wednesday	
	74651	Numerical Computing Using MATLAB		
	74652	Computational Programming using Mathematica		
	74653	Numerical Methods and Programming		
	74654	MATLAB Programming and Applications		
	74655	Electronic Devices		
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	74656	Energy Science-I ( The New Energy Technology)	20-08-2021 Friday	
	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)		
	75052	Modern Optics-I (Laser Physics)		
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	74661	Energy Science-II ( Solar Thermal Devices)	21-08-2021 Saturday	
	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-II (Nonlinear Optics & Fiber Optics)		

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

<b>Branch Code - Physics ( C.B.C.S.) From Oct-2020</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
	80820	Nuclear and Particle Physics	17-08-2021 Tuesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	81116	Data Analysis and Statistical Software(DASF)	18-08-2021 Wednesday	
	81117	Numerical Computing Using MATLAB(NCU)		
	81118	Computational Programming using Mathematica (CP)		
	81236	Thin Film Deposition Technology(TFDT)		
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	81092	The New Energy Technologies(TNET)	20-08-2021 Friday	
	81093	Imperfection in Crystals(IIC)		
	81096	Thin Solid Films : Deposition And Properties(TSFDAP)		
	81097	Fundamentals of Plasma Physics (FOPP)		
	81094	Laser Physics(LP)		
	81095	Stellar Evolution : Birth Evolution and Death of the stars(SEBDS)		
<b>Choose Any One Of The Following Paper</b>				<b>From 12.30 p.m. to 01.30 p.m.</b>
	81098	Solar Thermal Devices (STD)	21-08-2021 Saturday	
	81099	Properties Of Materials (POM)		
	81101	Astrophysics of the Sun (AOTS)		
	81102	Semi Conductor Physics(SP)		
	81103	Introduction to General Relativity-I		
	81100	Nonlinear Optics and Fiber ptics(CTHND2)		

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

<b>Branch Code - PHYSICS ( C.B.C.S.)</b>		<b>From-(March-2020)</b>		
		<b>Part II :- Semester IV</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
X	79340	Experimental Techniques	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m.
<b>Choose Any One of The Following Subject</b>				04.30. p.m. To 05.30 p.m.
	68287	Modern Analytical Techniques	18-08-2021 Wednesday	
	79343	Electronic Devices		
	79341	Numerical Methods And Programming		
	79342	MATI AB Programming and Applications		
	79515	Media And Society		
<b>Choose Any One of The Following Subject</b>				04.30. p.m. To 05.30 p.m.
	79344	Renewable Energy Resources	20-08-2021 Friday	
	79346	Special Materials		
	79348	Molecular Spectroscopy		
	79350	Magnetospheric Plasma Dynamics		
	79352	Physical Properties of Solids		
	79354	Interaction of Electromagnetic waves with Electron Beams & Plasmas		
<b>Choose Any One of The Following Subject</b>				04.30. p.m. To 05.30 p.m.
	79345	Energy Conversion Devices	21-08-2021 Saturday	
	79347	Nanostructured Materials		
	79349	Holography and Its Applications		
	79351	Ionospheric and Space Weather		
	79353	Energy Conversion and Storage Devices		
	79355	Introduction to Quantum Field Theory		

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

<b>Branch Code - PHYSICS ( C.B.C.S.)</b>			<b>From-(March-2021)</b>	
<b>Part II :- Semester IV</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
X	83111	Experimental Techniques	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m.
<b>Choose Any One of The Following Subject</b>				
	83221	Numerical Methods And Programming	18-08-2021 Wednesday	04.30. p.m. To 05.30 p.m.
	83222	MATI AB Programming and Applications		
	83223	Energy Conversion and Storage Devices		
	83224	MATI AB Programming and Applications		
<b>Choose Any One of The Following Subject</b>				
	83080	Renewable Energy Resources	20-08-2021 Friday	04.30. p.m. To 05.30 p.m.
	83081	Special Materials		
	83082	Molecular Spectroscopy		
	83083	Magnetospheric Plasma Dynamics		
	83084	Physical Properties of Solids		
	83085	Interaction of Electromagnetic waves with Electron Beams & Plasmas		
<b>Choose Any One of The Following Subject</b>				
	83086	Energy Conversion Devices	21-08-2021 Saturday	04.30. p.m. To 05.30 p.m.
	83087	Nanostructured Materials		
	83088	Holography and Its Applications		
	83089	Ionospheric and Space Weather		
	83090	Semiconductor Devices		
	83091	Introduction to Quantum Field Theory		

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

<b>Branch Code- Statistics ( C.B.C.S.)</b>			<b>From Oct--2019</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>Session-II</b>
I	74907	Real Analysis	29-09-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
II	74908	Linear Algebra	30-09-2021 Thursday	
III	74909	Distribution Theory	01-10-2021 Friday	
IV	74910	Estimation Theory	04-10-2021 Monday	
V	74911	Statistical Computing	05-10-2021 Tuesday	

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

<b>Branch Code – STATISTICS( C.B.C.S.) 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-IV</b>
VI	74913	Probability Theory	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m.
VII	74914	Theory of Testing of Hypothesis	30-09-2021 Thursday	
VIII	74915	Regression Analysis	01-10-2021 Friday	
IX	74916	Design and Analysis of Experiments	04-10-2021 Monday	
X	74917	Sampling Theory and Official Statistics	05-10-2021 Tuesday	

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

<b>Branch Code - STATISTICS ( C.B.C.S.) Old From Oct-2017</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
	69604	Asymptotic Inference	Tuesday 17-08-2021	12.30. p.m. To 01.30 p.m.
	69605	Elementary Stochastic Processes	Wednesday 18-08-2021	
	69606	Planning and Analysis of Industrial Experiments	Friday 20-08-2021	
<b>Paper No. XIV &amp; XV :- Choose Any Two of the Following Papers</b>				
	69609	Reliability Theory	Wednesday 25-08-2021	12.30. p.m. To 01.30 p.m.
	69614	Statistical Methods in Clinical Trials		
	69610	Regression Analysis	Friday 01-10-2021	04.30. p.m. To 05.30 p.m.

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

<b>Branch Code - STATISTICS ( C.B.C.S.) From Oct-2020</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
XI	80980	Asymptotic Inference	Tuesday 17-08-2021	12.30. p.m. To 01.30 p.m.
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m.
XII	80983	Stochastic Processes	Wednesday 18-08-2021	
	80984	Functional Data Analysis		
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m.
XIII	80985	Data Mining	Friday 20-08-2021	
	80986	Artificial Intelligence		
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m.
XIV	80987	Time Series Analysis	Saturday 21-08-2021	
	80988	Statistical Ecology		
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m.
XV	80981	Multivariate Analysis	Monday 23-08-2021	
	80982	Bayesian Inference		
	81347	Regression Analysis	Friday 01-10-2021	04.30. p.m. To 05.30 p.m.

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

<b>Branch Code - STATISTICS ( C.B.C.S.)</b>			<b>From April-2018</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-IV &amp; II</b>
XVI	71107	Optimization Techniques(OT)	21-08-2021 Saturday	04.30. p.m. To 05.30 p.m..
<b>Paper No. XVII &amp; XX :- Choose Any Four of the Following Papers</b>				
	71109	Generalized Linear Models	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m..
	71111	Data Mining (DM)	20-08-2021 Friday	12.30. p.m. To 01.30 p.m.
	71110	Survival Analysis(SA)	18-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
	71113	Time Series Analysis (TSA)	21-08-2021 Saturday	12.30. p.m. To 01.30 p.m.
	71112	Statistical Quality Control	23-08-2021 Monday	04.30. p.m. To 05.30 p.m..

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

<b>Branch Code - STATISTICS ( C.B.C.S.)</b>			<b>From April-2021</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-IV</b>
<b>XVI</b>	83040	Generalized Linear Models	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m..
<b>Choose Any One of the Following</b>				
<b>XVII</b>	83041	Survival Analysis	18-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
	83042	Actuarial statistics		
<b>Choose Any One of the Following</b>				
	83043	Biostatistics	20-08-2021 Friday	04.30. p.m. To 05.30 p.m..
	83044	Econometrics		
<b>Choose Any One of the Following</b>				
	83039	Optimization techniques	21-08-2021 Saturday	04.30. p.m. To 05.30 p.m..
	83175	Circular Data analysis		
<b>Choose Any One of the Following</b>				
	83045	Spatial data analysis	23-08-2021 Monday	04.30. p.m. To 05.30 p.m..
	83046	Statistical quality control		

**M.Sc. Applied Statistics & Informatics**

<b>Branch Code- Applied Statistics &amp; Informatics ( C.B.C.S.)</b>			<b>From Oct--2019</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>Session-II</b>
I	74974	Fundamentals Of Computer Programming	29-09-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
II	74975	Linear Algebra	30-09-2021 Thursday	
III	74976	Distribution Theory	01-10-2021 Friday	
IV	74977	Estimation Theory	04-10-2021 Monday	
V	74978	Statistical Computing	05-10-2021 Tuesday	



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

<b>Branch Code - APPLIED STATISTICS &amp; INFORMATICS ( C.B.C.S.) New 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-IV</b>
V	79516	Advanced Data Structure with C++	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m..
VI	79517	Theory of Testing of Hypothesis	30-09-2021 Thursday	
VII	79518	Regression Analysis	01-10-2021 Friday	
VIII	79519	Design and Analysis of Experiments	04-10-2021 Monday	
IX	79520	Sampling Theory and Official Statistics	05-10-2021 Tuesday	

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

<b>Branch Code - APPLIED STATISTICS &amp; INFORMATICS ( C.B.C.S.)Old From Oct-2019</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II &amp; IV</b>
X	74593	Data Base Management System	17-08-2021 Tuesday	12.30. p.m. To 01.30 p.m.
XI	74594	Elementary Stochastic Processes	18-08-2021 Wednesday	
XII	74595	Planning And Analysis Of Industrial Experiments	20-08-2021 Friday	
XIII	74596	Design And Analysis Of Sample Surveys	24-08-2021 Tuesday	
<b>Choose Any One of the Following Papers</b>				12.30. p.m. To 01.30 p.m.
XIV	74598	Reliability Theory	25-08-2021 Wednesday	
	74599	Regression Analysis	Friday 01-10-2021	

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

<b>Branch Code - APPLIED STATISTICS&amp; INFORMATICS ( C.B.C.S.) NewFrom Oct-2020</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II &amp; IV</b>
<b>X</b>	80591	Data Base Management System	17-08-2021 Tuesday	12.30. p.m. To 01.30 p.m
<b>Choose Any One of the Following</b>				
XI	80594	Stochastic Processes	18-08-2021	
	80595	Functional Data Analysis	Wednesday	
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m
XII	80596	Data Mining	20-08-2021	
	80597	Artificial Intelligence	Friday	
<b>Choose Any One of the Following</b>				12.30. p.m. To 01.30 p.m
XIII	80598	Time Series Analysis	21-08-2021	
	80599	Statistical Ecology	Saturday	
<b>Choose Any One of the Following</b>				
XIV	80592	Multivariate Analysis	23-08-2021 Monday	12.30. p.m. To 01.30 p.m
		80593		
	81347	Regression Analysis	01-10-2021 Friday	04.30. p.m. To 05.30 p.m.

**M.Sc. APPLIED STATISTICS & INFORMATICS ( C.B.C.S.) Old**

<b>Branch Code - APPLIED STATISTICS &amp; INFORMATICS ( C.B.C.S.) 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-II &amp; IV</b>
<b>XV</b>	79378	Optimization Techniques	21-08-2021 Saturday	04.30. p.m. To 05.30 p.m..
<b>XVI</b>	79379	Python for Data Science	24-08-2021 Tuesday	
<b>Choose Any Three of the Following Papers (Paper No-XVII to XX)</b>				
	79381	Generalized Linear Models	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m..
	79387	Data Mining	20-08-2021 Friday	12.30. p.m. To 01.30 p.m
	79382	Survival Analysis	18-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
	79384	Time Series Analysis	21-08-2021 Saturday	12.30. p.m. To 01.30 p.m
	79383	Statistical Quality Control	23-08-2021 Monday	04.30. p.m. To 05.30 p.m..
	79385	Statistical Ecology	25-08-2021 Wednesday	12.30. p.m. To 01.30 p.m
	79386	Econometrics	20-08-2021 Friday	04.30. p.m. To 05.30 p.m..

**M.Sc. APPLIED STATISTICS & INFORMATICS [ C.B.C.S. ] New**

<b>Branch Code - APPLIED STATISTICS &amp; INFORMATICS ( C.B.C.S.)</b>				
<b>From April-2021</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-IV</b>
<b>XVI</b>	82941	Generalized Linear Models	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m..
<b>Choose Any One of the Following</b>				
<b>XVII</b>	82942	Survival Analysis	18-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
	83042	Actuarial statistics		
<b>Choose Any One of the Following</b>				
<b>XVIII</b>	83238	Biostatistics	20-08-2021 Friday	04.30. p.m. To 05.30 p.m..
	82946	Econometrics		
<b>Choose Any One of the Following</b>				
<b>XIX</b>	82939	Optimization techniques	21-08-2021 Saturday	04.30. p.m. To 05.30 p.m..
<b>Choose Any One of the Following</b>				
<b>XX</b>	83045	Spatial data analysis	23-08-2021 Monday	04.30. p.m. To 05.30 p.m..
	82943	Statistical quality control		

**M.Sc. Environmental Science**

<b>Branch Code- Environmental Science ( C.B.C.S.)</b>			<b>From Oct-2019</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>Session-II</b>
I	74901	Introduction To Environmental Science	29-09-2021 Wednesday	<b>From 12.30 p.m.  to  01.30 p.m.</b>
II	74902	Environmental Chemistry	30-09-2021 Thursday	
III	74903	Environmental Biology	01-10-2021 Friday	
IV	74904	Information Technology In Environmental Sciences	04-10-2021 Monday	

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

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)			March- 2020	
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
V	79477	Environmental Engineering	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m..
VI	79478	Environmental Pollution and control	30-09-2021 Thursday	
VII	79479	Environmental Geosciences and Climatology	01-10-2021 Friday	
VIII	79480	Energy studies	04-10-2021 Monday	
IX	79481	Environmental Monitoring and Energy Studies	05-10-2021 Tuesday	

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

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)			from Oct 2014	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
X	64165	Natural Resources and their Management	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
XI	64166	Environmental Statistics and Computer Applications	26-08-2021 Thursday	
XII	64167	Environmental Policy and legislation	27-08-2021 Friday	
XIII	64168	Environmental Toxicology and Public Health	28-08-2021 Saturday	
XIV	64169	Vermicomposting	30-08-2021 Monday	

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

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)			from Oct 2020	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
X	80582	Natural Resources and their Conservation	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
XI	80583	Environmental Statistics and Computer Applications	26-08-2021 Thursday	
XII	80584	Environmental Policy and Legislation	27-08-2021 Friday	
XIII	80585	Environmental Toxicology and Public Health	28-08-2021 Saturday	

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

<b>Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)</b>			<b>From April-2015</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-IV</b>
<b>XIII</b>	65019	Socio- Economic Aspects of Environment	25-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
<b>XIV</b>	65020	Environmental Hazards and Disaster Management	26-08-2021 Thursday	
<b>XV</b>	65021	Environmental Planning and Management	27-08-2021 Friday	
<b>XVI</b>	65022	Environmental Biotechnology	28-08-2021 Saturday	

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

<b>Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)</b>			<b>From April-2021</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-IV</b>
<b>XIII</b>	83050	Socio- Economic Aspects of Environment	25-08-2021 Wednesday	04.30. p.m. To 05.30 p.m..
<b>XIV</b>	83051	Environmental Hazards and Disaster Management	26-08-2021 Thursday	
<b>XV</b>	83052	Environmental Planning and Management	27-08-2021 Friday	
<b>XVI</b>	83053	Environmental Biotechnology	28-08-2021 Saturday	
<b>XVII</b>	83056	Vermicomposting	30-08-2021 Monday	

**M.Sc. Food Science & Technology**

<b>Branch Code- Food Science&amp; Technology ( C.B.C.S.)</b>			<b>From Oct-2019</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>Session-II</b>
<b>I</b>	74919	Principles Of Food Processing & Preservation	29-09-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
<b>II</b>	74920	Food Microbiology	30-09-2021 Thursday	
<b>III</b>	74921	Food Chemistry	01-10-2021 Friday	
<b>IV</b>	74922	Biochemistry And Nutrition	04-10-2021 Monday	

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

<b>Branch Code- FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.) From April-2020</b>				
Part I :- Sem.-II				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
V	79374	Fruit and Vegetable Technology	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m..
VI	79372	Principles of Food Engineering	30-09-2021 Thursday	
VII	79373	Cereal and Legume Technology	01-10-2021 Friday	
VIII	79375	Fermentation Technology	04-10-2021 Monday	

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

<b>Branch Code- FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.) From Oct-2014</b>				
Part II :- Sem.-III				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
IX	64191	Technology of Meat, Fish & Poultry Products	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
X	64192	Technology of Milk & Milk Products	26-08-2021 Thursday	
XI	64193	Food Quality & Safety Management	27-08-2021 Friday	
XII	64194	Food Additives, Contaminants & Toxicology	28-08-2021 Saturday	

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

<b>Branch Code- FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.) From Oct-2020</b>				
Part II :- Sem.-III				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
	80990	Technology of Meat, Fish and Poultry Products	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m.</b>
	80991	Technology of Milk and Milk Products	26-08-2021 Thursday	
	80993	Food Quality and Safety Management	27-08-2021 Friday	
	80992	Food Additives, Contaminants and Toxicology	28-08-2021 Saturday	

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

<b>Branch Code- FOOD SCIENCE &amp; TECHNOLOGY ( C.B.C.S.) 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>Session-IV</b>
XIII	65134	Food Packaging	30-08-2021 Monday	04.30. p.m. To 05.30 p.m
XIV	65135	Technology of Oilseeds & Fats	31-08-2021 Tuesday	
XV	65136	Food Biotechnology	01-09-2021 Wednesday	
XVI	65137	Post-Harvest Technology of Plantation Crops	02-09-2021 Thursday	

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

Branch Code- FOOD SCIENCE & TECHNOLOGY ( C.B.C.S.) From April-2021				
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
XIII	82952	Food Packaging	30-08-2021 Monday	04.30. p.m. To 05.30 p.m
XIV	82949	Technology of Oilseeds & Fats	31-08-2021 Tuesday	
XV	82950	Food Biotechnology	01-09-2021 Wednesday	
XVI	82951	Post-Harvest Technology of Plantation Crops	02-09-2021 Thursday	

### M.Sc Alcohol Technology

#### M.Sc. Alcohol Technology [ C.B.C.S.] Old

Branch Code- Alcohol Technology ( C.B.C.S.) From May--2017				
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	68596	Organic Chemistry	28-09-2021 Tuesday	<b>From 12.30 p.m.</b>  <b>to</b>  <b>01.30 p.m</b>
II	68597	Basic of Fermentation	29-09-2021 Wednesday	
III	68598	Alcohol Technology - I	30-09-2021 Thursday	
IV	68599	Microbiology – I	01-10-2021 Friday	

#### M.Sc. Alcohol Technology [ C.B.C.S.] New

Branch Code- Alcohol Technology ( C.B.C.S.) From Oct-2020				
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	81082	Alcohol Technology - I	30-09-2021 Thursday	<b>From 12.30 p.m.</b>  <b>to</b>  <b>01.30 p.m</b>
II	81083	Microbiology	01-10-2021 Friday	
III	81084	Bio-Chemistry	28-09-2021 Tuesday	
IV	81085	Applied Chemistry	29-09-2021 Wednesday	

**M.Sc. Alcohol Technology [ C.B.C.S.] OLD**

<b>Branch Code - Alcohol Technology ( C.B.C.S. )</b>			<b><u>(From Oct-2017)</u></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-IV</b>
V	68602	Bio-Chemistry	28-09-2021 Tuesday	04.30. p.m. To 05.30 p.m
VI	68603	Fermentation Technology	29-09-2021 Wednesday	
VII	68604	Alcohol Technology	30-09-2021 Thursday	
VIII	68605	Microbiology	01-10-2021 Friday	

**M.Sc. Alcohol Technology [ C.B.C.S.] New**

<b>Branch Code - Alcohol Technology ( C.B.C.S. )</b>			<b><u>(From April-2021)</u></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-IV</b>
V	82915	Industrial Fermentation	28-09-2021 Tuesday	04.30. p.m. To 05.30 p.m
VI	82916	Alcohol Technology-II	29-09-2021 Wednesday	
VII	82914	Applied Microbiology	30-09-2021 Thursday	
VIII	82917	Applied Process Instrumentation	01-10-2021 Friday	

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

<b>Branch Code - Alcohol Technology ( C.B.C.S. )</b>			<b><u>(From March-2018)</u></b>	
<b>Part II - Sem III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	68636	Alcohol Technology-III	11-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	68637	Microbiology III	12-08-2021 Thursday	
III	68638	Fermentation Technology-III	13-08-2021 Friday	
<b>Paper No. IV</b>	<b>Paper No. IV :- Choose Any One of the Following Papers</b>			<b>From 12.30 p.m. to 01.30 p.m</b>
	68639	Industrial waste treatments & Environmental management	14-08-2021 Saturday	
	68640	Sugar Technology (ST)		
	68641	Instrumentation & Automation in Distillery.		



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

<b>Branch Code - Alcohol Technology ( C.B.C.S. )</b>			<b>(From Oct-2018)</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-IV</b>
I	68644	Alcohol & Beverages production from grain and other sources	11-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
II	68645	Production of ENA, ETHNOL & IMFL	12-08-2021 Thursday	
III	68646	Chemical Engineering	13-08-2021 Friday	
<b>Paper No.IV</b>	<b>Paper No. IV :- Choose Any One of the Following Papers</b>			04.30. p.m. To 05.30 p.m
	68647	General Engineering	14-08-2021 Saturday	
	68648	Pollution Prevention & Control		
	68649	Business management & marketing		

**M.Sc. Sugar Technology**  
**M.Sc. Sugar Technology [ C.B.C.S.] Old**

<b>Branch Code- Sugar Technology ( C.B.C.S.)</b>			<b>From May--2017</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>Session-II</b>
I	68608	Sugar Cane Agriculture	28-09-2021 Tuesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	68609	Sugar Processing-Clarification	29-09-2021 Wednesday	
III	68610	Sugar Engineering-Milling	30-09-2021 Thursday	
IV	68611	Chemical Control	01-10-2021 Friday	

**M.Sc. Sugar Technology [ C.B.C.S.] New**

<b>Branch Code- Sugar Technology ( C.B.C.S.)</b>			<b>From Oct--2020</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>Session-II</b>
I	81087	Sugar Cane Agriculture	28-09-2021 Tuesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	81088	Sugar Processing-Clarification & Evaporation	29-09-2021 Wednesday	
III	81089	Sugar Engineering-Milling	30-09-2021 Thursday	
IV	81090	Chemical Control	01-10-2021 Friday	

**M.Sc. Sugar Technology ( C.B.C.S. )Old**

<b>Branch Code - Sugar Technology ( C.B.C.S. )</b>			<b>(From Oct-2017)</b>	
Part I - Sem II				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
V	68614	Sugar Chemistry(SUCHEM)	28-09-2021 Tuesday	04.30. p.m. To 05.30 p.m
VI	68615	Sugar Processing-Evaporation(SPEVA)	29-09-2021 Wednesday	
VII	68616	Sugar Engineering-Steam & Power Generation(SEEPG)	30-09-2021 Thursday	
VIII	68617	Equipment Design and Drawing(EDD)	01-10-2021 Friday	

**M.Sc. Sugar Technology ( C.B.C.S. ) New**

<b>Branch Code - Sugar Technology ( C.B.C.S. )</b>			<b>(From April-2021)</b>	
Part I - Sem II				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
V	82907	Sugar Chemistry(SUCHEM)	28-09-2021 Tuesday	04.30. p.m. To 05.30 p.m
VI	82908	Sugar Processing-Crystalization & Finishing	29-09-2021 Wednesday	
VII	82909	Sugar Engineering-Steam & Power Generation(SEEPG)	30-09-2021 Thursday	
VIII	82910	Equipment Design and Drawing(EDD)	01-10-2021 Friday	

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

<b>Branch Code - Sugar Technology ( C.B.C.S. )</b>			<b>(From March-2018)</b>	
Part II - Sem III				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	68620	Equipments Capacity Calculation(ECC)	11-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	68621	Sugar Processing-Crystallzation(SPC)	12-08-2021 Thursday	
III	68622	Chemical Engineering-Heat & Momentum Transfer(CEHMT)	13-08-2021 Friday	
<b>Paper No.IV</b>	<b>Paper No. IV :- Choose Any One of the Following Papers</b>			<b>From 12.30 p.m. to 01.30 p.m</b>
	68623	Alcohol Technology(ALCOTECH)	14-08-2021 Saturday	
	68624	Bio-Chemical Engineering(BCE)		
	68625	Electronics and Instrumentation Engineering(EIE)		

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

<b>Branch Code - Sugar Technology ( C.B.C.S. ) (From Oct-2018)</b>				
		Part II - Sem IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	68628	Sugar Processing-Finishing	11-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
II	68629	Allid Sugar Manufacturing	12-08-2021 Thursday	
III	68630	Chemical Engineering-Unit Operation	13-08-2021 Friday	
<b>Paper No.IV</b>	<b>Paper No.IV :- Choose Any One of the Following Papers</b>			04.30. p.m. To 05.30 p.m
	68631	Energy Conversion and Cogeneration		
	68632	Pollution Prevention and Control		
	68633	Water Management and Zero Discharge		
		14-08-2021 Saturday		

## M.Sc. Medical Information Management

### M.Sc. Medical Information Management [ C.B.C.S.]

<b>Branch Code- Medical Information Management</b>				<b>From Oct--2019</b>
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	79007	Information Technology in Health Sciences	28-09-2021 Tuesday	<b>From 12.30 p.m.  to  01.30 p.m</b>
II	79008	Introduction to Biological Sciencens	29-09-2021 Wednesday	
III	79009	Medical Informatics	30-09-2021 Thursday	
IV	79010	German Language –A1	01-10-2021 Friday	

<b>Branch Code- Medical Information Management ( C.B.C.S.)</b>				<b>From April-2020</b>
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
V	80827	Research Methods and Statistics	28-09-2021 Tuesday	04.30. p.m. To 05.30 p.m
VI	80828	Clinical Data and Quality Management	29-09-2021 Wednesday	
VII	80829	Clinical Quality Management	30-09-2021 Thursday	
VIII	80830	Clinical Data Management	01-10-2021 Friday	

**M.Sc. Medical Information Management [ C.B.C.S.]**

<b>Branch Code- Medical Information Management ( C.B.C.S.)</b>			<b>From Oct--2020</b>	
		Part II :- Sem.-III		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
IX	81112	Clinical Data Management-II	11-08-2021 Wednesday	<b>12.30 p.m.</b> <b>to</b> <b>01.30 p.m</b>
X	81113	Clinical Quality Management-II	12-08-2021 Thursday	
XI	81114	Project Management and Project Presentation	13-08-2021 Friday	
XII	81115	Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology.	14-08-2021 Saturday	

**M.Sc. Medical Information Management [ C.B.C.S.]**

<b>Branch Code- Medical Information Management ( C.B.C.S.)</b>			<b>From April--2021</b>	
		Part II:- Sem.-IV		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
XIII	82956	Research problem identification and review of literature	11-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
XIV	82957	Synopsis submission, and presentation	12-08-2021 Thursday	
XV	82958	Mid-term evaluation by presentation	13-08-2021 Friday	
XVI	82960	Viva Voce	14-08-2021 Saturday	

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

<b>Brnch Code- Geography ( C.B.C.S.)</b>			<b>From Oct--2019</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>Session-II</b>
I	74960	Fundamentals of Geomorphology	29-09-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	74961	Principles of Climatology	30-09-2021 Thursday	
III	74962	Economic Geography	01-10-2021 Friday	
IV	74963	Geography of Population and Human Resource Development	04-10-2021 Monday	

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

<b>Branch Code - GEOGRAPHY ( 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-IV</b>
I	79307	Applied Geomorphology	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m
II	79308	Applied Climatology and Climate Change	30-09-2021 Thursday	
III	79309	Social and Cultural Geography	01-10-2021 Friday	
IV	79536	Advanced Cartography and Surveying	04-10-2021 Monday	

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

<b>Branch Code - GEOGRAPHY ( C.B.C.S.)</b>			<b>(From Oct-2019)</b>	
<b>Part II - Sem III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-III</b>
	74016	Geohydrology and Oceanography	11-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
	74017	Fundamentals of Remote Sensing and Digital Image Processing	12-08-2021 Thursday	
	74022	Research Methodology in Geography	13-08-2021 Friday	
	74023	Photogrammetry, Remote Sensing and Digital Image Processing	14-08-2021 Saturday	
<b>Choose Any One of the Following Papers</b>				<b>From 12.30 p.m. to 01.30 p.m</b>
VII	74018	Geography of Environment	17-08-2021 Tuesday	
	74019	Biogeography		
<b>Choose Any One of the Following Papers</b>				<b>From 12.30 p.m. to 01.30 p.m</b>
VIII	74020	Settlement Geography	18-08-2021 Wednesday	
	74021	Advance Cartography and Surveying		

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

<b>Branch Code - GEOGRAPHY ( C.B.C.S.)</b>				<b>(From Oct-2020)</b>
<b>Part II - Sem III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-III</b>
V	81148	Geohydrology and Oceanography	11-08-2021 Wednesday	<b>From 12.30 p.m.</b> <b>to</b> <b>01.30 p.m</b>
VI	81149	Fundamentals of Remote Sensing and Digital Image Processing	12-08-2021 Thursday	
<b>Choose Any One of the Following Papers</b>				<b>From 12.30 p.m.</b> <b>to</b> <b>01.30 p.m</b>
VII	81150	Geography of Environment	17-08-2021 Tuesday	
	81151	Biogeography		
<b>Choose Any One of the Following Papers</b>				<b>From 12.30 p.m.</b> <b>to</b> <b>01.30 p.m</b>
VIII	81152	Settlement Geography	18-08-2021 Wednesday	
	81153	Geography of India		
	81154	Political Geography		

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

<b>Branch Code - GEOGRAPHY ( 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-IV</b>
IX	79489	Development of Modern Geographical Thought	11-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
X	79490	Regional Planning and Development	12-08-2021 Thursday	
<b>Choose Any One Of The Following Papers</b>				04.30. p.m. To 05.30 p.m
XI	79493	Tourism Geography	13-08-2021 Friday	
	79494	Agricultural Geography		
<b>Choose Any One Of The Following Papers</b>				04.30. p.m. To 05.30 p.m
XII	79491	Fundamentals of Geographical Information System and Introduction	14-08-2021 Saturday	
	79492	Fundamental of Soil Geography		

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

<b>Brnch Code- Geography ( C.B.C.S.)</b>			<b>From April--2021</b>	
		Part II :- Sem.-IV		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
	82982	Development of Modern Geographical Thought	11-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
	82983	Regional Planning and Development	12-08-2021 Thursday	
<b>Choose Any One Of The Following Papers</b>				
	82984	Fundamentals and Application of GIS and GPS	14-08-2021 Saturday	
	82985	Fundamental of Soil Geography		
<b>Choose Any One Of The Following Papers</b>				
	82986	Agricultural Geography	13-08-2021 Friday	
	82987	Tourism Geography		
	82988	Geography of Health and Nutrition		
<b>Choose Any One Of The Following Papers</b>				
	82990	Introduction to GIS Software and GPS	17-08-2021 Tuesday	
	82991	Soil and Water Analysis		

## M.A/M.Sc. Mathematics

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

Branch Code- Mathematics ( C.B.C.S.)				From Oct—
<b>2019</b>				
Part I :- Sem.-I				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
I	71415/ 59828	Advance Calculus	29-09-2021 Wednesday	<b>12.30 p.m.</b>  to  <b>01.30 p.m.</b>
II	71416/ 61381	Linear Algebra	30-09-2021 Thursday	
III	71417/ 61383	Complex Analysis	01-10-2021 Friday	
IV	71418/ 59831	Classical Mechanics	04-10-2021 Monday	
V	71419/ 59830	Ordinary Differential Equations	05-10-2021 Tuesday	

### M.A/M.Sc. Mathematics ( C.B.C.S. ) New C.N. 217

Branch Code - Mathematics ( C.B.C.S.)				(From April-2020
Part I - Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
VI	71421/ 79315/ 63303	Functional Analysis	29-09-2021 Wednesday	04.30. p.m. To 05.30 p.m
VII	71422/ 79316/ 59827	Algebra	30-09-2021 Thursday	
VIII	71423/ 79317	General Topology	01-10-2021 Friday	
VIII	61382	Topology	01-10-2021 Friday	
IX	71424/ 79318	Numerical Analysis	04-10-2021 Monday	
IX	69566	Numerical Analysis	04-10-2021 Monday	
X	71425/ 79319/ 63319	Partial Differential Equations	05-10-2021 Tuesday	



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

<b>Branch Code - Mathematics ( C.B.C.S.)</b>			<b>(From April-2020</b>	
		<b>Part II - Sem III</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
XI	59829/ 73976	Real Analysis	11-08-2021 Wednesday	12.30. p.m. To 01.30 p.m
XII	73977	Field Theory	04-09-2021 Saturday	12.30. p.m. To 01.30 p.m
<b>XIII, XIV &amp; XV Any Three of the following Papers</b>				12.30. p.m. To 01.30 p.m
	63307/ 73978	Number Theory	13-08-2021 Friday	
	63316/ 73979	Operations Research – I	14-08-2021 Saturday	
	63314/ 73980	Fuzzy Mathematics –I	17-08-2021 Tuesday	
	63305/ 73981	Fluid Dynamics	18-08-2021 Wednesday	
	73982	Fractional Calculus	20-08-2021 Friday	
	73983	General Relativity – I	21-08-2021 Saturday	
	73984	Lattice Theory – I	23-08-2021 Monday	
	73985	Approximation Theory	24-08-2021 Tuesday	
	73986	Dynamical Systems – I	25-08-2021 Wednesday	
	73987	Graph Theory-I	26-08-2021 Thursday	
	61385/ 73988	Differential Geometry	27-08-2021 Friday	
	63320/ 73989	Combinatorics	28-08-2021 Saturday	
	73990	Topological Vector Spaces	30-08-2021 Monday	
	73991	Commutative Algebra - I	31-08-2021 Tuesday	
	63312/ 73992	Space Dynamics- I	01-09-2021 Wednesday	
	73993	Theory of Computation	02-09-2021 Thursday	
	73994	Algebraic Topology	03-09-2021 Friday	

**M.A/M.Sc. Mathematics ( C.B.C.S. ) C.N. 218**

<b>Branch Code - Mathematics ( C.B.C.S.)</b>				<b>(From Oct-2020)</b>
<b>Part II - Sem III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
XI	80960	Real Analysis	11-08-2021 Wednesday	12.30. p.m. To 01.30 p.m
		<b>Any one of the following</b>		
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
XII	63304/ 79322/ 80961	Advanced Discrete Mathematics	04-09-2021 Saturday	04.30. p.m. To 05.30 p.m
	80962	Topological Vector Spaces		
<b>XIII, XIV &amp; XV Any Three of the following Papers</b>				
	80963/ 63307	Number Theory	13-08-2021 Friday	12.30. p.m. To 01.30 p.m
	80964/ 63316	Operations Research – I	14-08-2021 Saturday	
	80965/ 63314	Fuzzy Mathematics –I	17-08-2021 Tuesday	
	80966	Fluid Dynamics	18-08-2021 Wednesday	
	80967	Fractional Calculus	20-08-2021 Friday	
	80968	General Relativity – I	21-08-2021 Saturday	
	80969	Lattice Theory – I	23-08-2021 Monday	
	80970	Approximation Theory	24-08-2021 Tuesday	
	80971	Dynamical Systems – I	25-08-2021 Wednesday	
	80972	Graph Theory-I	26-08-2021 Thursday	
	80973	Differential Geometry	27-08-2021 Friday	
	80974	Combinatorics	28-08-2021 Saturday	
	80979	Probability and Stochastic Processes	30-08-2021 Monday	
	80975	Commutative Algebra - I	31-08-2021 Tuesday	
	80976	Space Dynamics- I	01-09-2021 Wednesday	
	80977	Theory of Computation	02-09-2021 Thursday	
	80978	Algebraic Topology	03-09-2021 Friday	

<b>Branch Code - MATHEMATICS ( C.B.C.S.) Old (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-IV</b>
XVI	79322	Advance Discrete Mathematics	04-09-2021 Saturday	04.30. p.m. To 05.30 p.m
XVII	63336/ 79321	Integral Equation	12-08-2021 Thursday	
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				04.30. p.m. To 05.30 p.m
	79476	Dynamics Equations on Time Scales	13-08-2021 Friday	04.30. p.m. To 05.30 p.m
	63335/ 79327	Fractional Differential Equations	14-08-2021 Saturday	
	63330/ 79328	General Relativity-II	17-08-2021 Tuesday	04.30. p.m. To 05.30 p.m
	63324/ 79329	Lattice Theory-II	18-08-2021 Wednesday	
	79325/ 63328	Fuzzy Mathematics-II	20-08-2021 Friday	
	79332	Graph Theory-II	21-08-2021 Saturday	
	63329/ 79326	Computational Fluid Dynamics	23-08-2021 Monday	
	63323/ 79324	Operations Research –II	24-08-2021 Tuesday	
	63334/ 79323	Algebraic Number Theory	25-08-2021 Wednesday	
	63327/ 79330	Wavelet Analysis	26-08-2021 Thursday	
	63331/ 79331	Dynamical Systems- II	27-08-2021 Friday	
	63322/ 79336	Commutative Algebra-II	28-08-2021 Saturday	
	79333	Analysis on Manifolds	30-08-2021 Monday	
	79475	Automata Theory	31-08-2021 Tuesday	
	79337	Space Dynamics-II	01-09-2021 Wednesday	
	79335	Theory of Distributions	02-09-2021 Thursday	
	79334	Measure and Integration	03-09-2021 Friday	

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

<b>Branch Code- Mathematics ( C.B.C.S.)</b>			<b>From April—2021</b>	
Part II :- Sem.-IV				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
	<b>69567/ 63326/ 83058</b>	Field Theory	04-09-2021 Saturday	12.30. p.m. To 01.30 p.m
<b>Any one of the following</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-IV</b>
	83057	Integral Equations	03-09-2021 Friday	04.30. p.m. To 05.30 p.m
<b>Paper No. – XVIII, XIX &amp; XX – Choose any Three of the following</b>				
	<b>83059</b>	Algebraic Number Theory	25-08-2021 Wednesday	04.30. p.m. To 05.30 p.m
	<b>83060</b>	Operations Research –II	24-08-2021 Tuesday	
	<b>83061</b>	Fuzzy Mathematics-II	20-08-2021 Friday	
	<b>83062</b>	Computational Fluid Dynamics	23-08-2021 Monday	
	<b>83063</b>	Fractional Differential Equations	14-08-2021 Saturday	
	<b>83066</b>	Wavelet Analysis	26-08-2021 Thursday	
	<b>83072</b>	Commutative Algebra-II	28-08-2021 Saturday	
	<b>83073</b>	Space Dynamics-II	01-09-2021 Wednesday	
	<b>83074</b>	Dynamics Equation on Time Scales	13-08-2021 Friday	

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

<b>Branch Code- Tech. Mathematics ( C.B.C.S.)</b>				
<b>From Oct--2018</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>Session-II</b>
V	71453	Advanced Calculus	Wednesday 29-09-2021	<b>From 12.30 p.m. to 01.30 p.m.</b>
III	71454	Linear Algebra	Thursday 30-09-2021	
I	71455	Discrete Mathematical Structures-I	Friday 01-10-2021	
IV	71456	Computer Architecture	Monday 04-10-2021	
II	71457	Programming in C	Tuesday 05-10-2021	

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

<b>Branch Code - M.Sc.TECH ( MATHEMATICS ) ( C.B.C.S.) (Revised From April-2019)</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-IV</b>
I	71460	Functional Analysis	Wednesday 29-09-2021	<b>From 04.30 p.m. to 05.30 p.m.</b>
II	71461	Algebra	Thursday 30-09-2021	
IV	71464	Operating Systems	Friday 01-10-2021	
V	71463	Data Structures Using-C	Monday 04-10-2021	
III	71462	Discrete Mathematical Structures-II	Tuesday 05-10-2021	

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

<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.) (Revised From Oct-2019)</b>				
<b>Part II :- Sem.-III</b>				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	74024	Complex Analysis	02-09-2021 Thursday	<b>From 12.30 p.m. to 01.30 p.m.</b>
II	74025	ODE	03-09-2021 Friday	
IV	74026	DAA-I	04-09-2021 Saturday	
V	74027	Database System	06-09-2021 Monday	
III	74028	Object Oriented Programming with C++	07-09-2021 Tuesday	

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

<b>Branch Code</b>		<b>- M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>		<b>From April-2016</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-IV</b>
I	67155	Functional Analysis	Wednesday 29-09-2021	<b>From 04.30 p.m. to 05.30 p.m.</b>
IV	67157	Design and Analysis of Algorithms-II	04-09-2021 Saturday	
V	67158	Object Oriented Programming With Java	08-09-2021 Wednesday	
VI	67159	Linux Operating System	07-09-2021 Tuesday	
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
II	67156	Differential Equations	03-09-2021 Friday	12.30. p.m. To 01.30 p.m

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

<b>Branch Code</b>		<b>- M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>		<b>From Oct-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-IV</b>
I	79483	Real Analysis	02-09-2021 Thursday	<b>From 04.30 p.m. to 05.30 p.m.</b>
II	79884	Operation Research	03-09-2021 Friday	
IV	79485	DAA-II	04-09-2021 Saturday	
V	79486	PHP With MySQL	06-09-2021 Monday	
VI	79487	Java Programming	08-09-2021 Wednesday	

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

<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>			<b>From Oct-2016</b>	
Part III :- Sem.-V				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	67980	Compiler Techniques	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	67981	Software Engineering	26-08-2021 Thursday	
III	67982	Computer Networks	27-08-2021 Friday	
IV	67983	Computer Graphics	28-08-2021 Saturday	
<b>Paper No. V- Choose any One of the following</b>				
	67984	Web Technology	30-08-2021 Monday	<b>From 12.30 p.m. to 01.30 p.m</b>
	67985	PHP with MySQL		
	67986	Android Programming		
	67987	Advanced Java		

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

<b>Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.)</b>			<b>From Oct-2020</b>	
Part III :- Sem.-V				
<b>PAPER NO.</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DAY &amp; DATE</b>	<b>Session-II</b>
I	81119	Advanced Web Technology	25-08-2021 Wednesday	<b>From 12.30 p.m. to 01.30 p.m</b>
II	81120	Software Engineering	26-08-2021 Thursday	
III	81121	Computer Networks	27-08-2021 Friday	
IV	81122	Cyber Security	28-08-2021 Saturday	
<b>Paper No. V- Choose any One of the following</b>				
	81123	Compiler Techniques	30-08-2021 Monday	<b>From 12.30 p.m. to 01.30 p.m</b>
	81124	Linux Operating System		
	81125	Android Programming		
	81126	Machine Learning		

**Vidyanagar,  
Kolhapur – 416 004  
Date :- 06 August 2021**

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