

#### SHIVAJI UNIVERSITY KOLHAPUR

Circular No. 65 Winter Session

Online October/November 2021 to be held in February / March -2022
Final Programme of M.Sc.(Course Code 205), M.A./M.Sc. Geography (Course Code 412)
Sem-II, III & IV, & M.Sc. Tech. (Mathematic) Sem-II, III, IV, & V (Course Code 252)
Examination October/November 2021

**INSTRUCTIONS:**-Common instruction as per Circular No. SU/Appointment/RVC//19 dated14-01- 2022, and also available in University website **www.unishivaji.ac.in.** 

1. The Online examination will be conducted in following order

#### M.Sc. Physics

<b>Branch C</b>	ode - Physic	cs ( C.B.C.S.) From	Ap	oril-2020
		Part I :- SemII		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
V	79543	Quantum Mechanics-II	05-03-2022 Saturday	From
VI	79544	Statistical Mechanics	07-03-2022 Monday	10.30 a.m.
VII	79545	Electrodynamics	08-03-2022 Tuesday	to 11.30 a.m.
VIII	79546	Atomic & Molecular Physics	09-03-2022 Wednesday	2 230 0 33323

Branch Co	ode - Physi	cs ( C.B.C.S.) From	Oct-20	20
	<u> </u>	Part II :- SemIII		
PAPER	PAPER	PAPER NAME	DAY &	Session-III
NO.	CODE		DATE	
IX	80820	Nuclear and Particle Physics	22-02-2022	
			Tuesday	
	C	hoose Any One Of The Following Paper		
X	81116	Data Analysis and Statistical Software(DASF)		<b>T</b>
	81117	Numerical Computing Using	23-02-2022	From
	01110	MATLAB(NCU)	Wednesday	2.30 p.m.
	81118	Computational Programming using Mathematica (CP)	Wednesday	•
	81236	Thin Film Deposition Technology(TFDT)		to
Choose Ar	nv One Of T	The Following Paper		
XI	81092	The New Energy Technologies(TNET)		3.30 p.m.
	81093	Imperfection in Crystals(IIC)		
	81096	Thin Solid Films : Deposition And Properties(TSFDAP)	24-02-2022 Thursday	
	81097	Fundamentals of Plasma Physics (FOPP)		
	81094	Laser Physics(LP)		
	81095	Stellar Evolution: Birth Evolution and Death		
		of the stars(SEBDS)		
Choose Ar	ny One Of T	The Following Paper		
XII	81098	Solar Thermal Devices (STD)		
	81099	Properties Of Materials (POM)	25-02-2022	
	81101	Astrophysics of the Sun (AOTS)	Friday	
	81102	Semi Conductor Physics(SP)		
	81103	Introduction to General Relativity-I		
	81100	Nonlinear Optics and Fiber optics(CTHND2)		

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

Branch Coo	de - PHYS	SICS (C.B.C.S.)	From-(M	(arch-2020)
		Part II :- Semester IV		
PAPER	PAPER	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
IX	79340	Experimental Techniques	22-02-2022	
171	77510	Experimental recimiques	Tuesday	
Choose An	y One of T	he Following Subject	•	
X	68287	Modern Analytical Techniques		
	79343	Electronic Devices	23-02-2022	
	79341	Numerical Methods And Programming	Wednesday	From
	79342	MATI AB Programming and Applications		1,10111
	79515	Media And Society		10.30 a.m.
Choose An	y One of T	he Following Subject		
XI	79344	Renewable Energy Resources		to
	79346	Special Materials	24-02-2022	
	79348	Molecular Spectroscopy	Thursday	11.30 a.m.
	79350	Magnetospheric Plasma Dynamics		
	79352	Physical Properties of Solids		
	79354	Interaction of Electromagnetic waves with		
		Electron Beams & Plasmas		
<b>Choose An</b>	y One of T	he Following Subject		
XII	79345	Energy Conversion Devices		
	79347	Nanostructured Materials	25-02-2022	
	79349	Holography and Its Applications	Friday	
	79351	Ionospheric and Space Weather		
	79353	Energy Conversion and Storage Devices		
	79355	Introduction to Quantum Field Theory		
	1	<u> </u>		l

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

Branch Coo				21)
		Part II :- Semester IV	•	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
IX	83111	Experimental Techniques	22-02-2022 Tuesday	
Choose An	y One of T	he Following Subject	,	
X	83221	Numerical Methods And Programming		
	83222	MATI AB Programming and Applications	23-02-2022	
	83223	Energy Conversion and Storage Devices	Wednesday	
	83224	MATI AB Programming and Applications		<b>.</b>
				From
Choose An	y One of T	he Following Subject		10.30 a.m.
XI	83080	Renewable Energy Resources		10.30 a.m.
	83081	Special Materials	24-02-2022	to
	83082	Molecular Spectroscopy	Thursday	
	83083	Magnetospheric Plasma Dynamics		11.30 a.m.
	83084	Physical Properties of Solids		
	83085	Interaction of Electromagnetic waves with		
		Electron Beams & Plasmas		
		he Following Subject		
XII	83086	Energy Conversion Devices		
	83087	Nanostructured Materials	25-02-2022	
	83088	Holography and Its Applications	Friday	
	83089	Ionospheric and Space Weather		
	83090	Semiconductor Devices		
	83091	Introduction to Quantum Field Theory		

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

Branch Co	ode – STATIS	STICS( C.B.C.S.)	Fro	om April-2020
		Part I :- SemII		
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
VI	74913	Probability Theory	05-03-2022	
			Saturday	
VII	74914	Theory of Testing of Hypothesis	07-03-2022	From
			Monday	
VIII	74915	Regression Analysis	08-03-2022	10.30 a.m.
			Tuesday	
IX	74916	Design and Analysis of Experiments	09-03-2022	to
			Wednesday	
X	74917	Sampling Theory and Official Statistics	10-03-2022	11.30a.m.
		1 0 0	Thursday	

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

<b>Branch Co</b>	de - STATIS	STICS (C.B.C.S.)	From	Oct-2020
		Part II :- SemIII		
PAPER	PAPER	PAPER NAME	DAY &	Session- I &
NO.	CODE		DATE	III
XI	80980	Asymptotic Inference	22-02-2022	
			Tuesday	
Choose An	y One of the	Following		
XII	80983	Stochastic Processes	23-02-2022	From
	80984	Functional Data Analysis	Wednesday	02 30 n m
Choose An	y One of the	Following		02.30 p.m.
XIII	80985	Data Mining	24-02-2022	to
	80986	Artificial Intelligence	Thursday	
Choose An	y One of the	Following		03.30 p.m.
XIV	80987	Time Series Analysis	25-02-2022	
	80988	Statistical Ecology	Friday	
Choose An	y One of the	Following		
XV	80981	Multivariate Analysis	26-02-2022	
	80982	Bayesian Inference	Saturday	
	81347	Regression Analysis	08-03-2022	10.30 a.m.
		-	Tuesday	to
				11.30 a.m.

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

Branch (	Code - STA	TISTICS ( C.B.C.S.)	From April-	2018
		Part II :- SemIV		
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-I &
NO.	CODE		DATE	III
XVI	71107	Optimization Techniques(OT)	22-02-2022	From
			Tuesday	10.30 a.m.
Paper No	o. XVII & X	XX:- Choose Any Four of the Followin	ng Papers	to 11.30 a.m.
	71109	Generalized Linear Models	23-02-2022	
			Wednesday	
	71111	Data Mining (DM)	24-02-2022	2.30. p.m.
			Thursday	To
			· ·	3.30 p.m.
	71110	Survival Analysis(SA)	26-02-2022	10.30 a.m.
			Saturday	to
				11.30 a.m.
	71113	Time Series Analysis (TSA)	25-02-2022	2.30. p.m.
			Friday	To
				3.30 p.m.
	71112	Statistical Quality Control	28-02-2022	10.30 a.m.
			Monday	To
				11.30 a.m.

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

Branch (	Code - STA	TISTICS ( C.B.C.S.)	From April-2	2021
		Part II :- SemIV	•	
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
XVI	83040	Generalized Linear Models	23-02-2022 Wednesday	
Choose A	ny One of the	he Following		
XVII	83041	Survival Analysis	26-02-2022	10.30 a.m.
	83042	Actuarial statistics	Saturday	To 11.30 a.m.
Choose A	ny One of t	he Following	•	
	83043	Biostatistics	24-02-2022	
	83044	Econometrics	Thursday	
Choose A	ny One of the	he Following		
	83039	Optimization techniques	22-02-2022	
	83175	Circular Data analysis	Tuesday	
Choose A	ny One of the	he Following	I	
	83045	Spatial data analysis	28-02-2022	
	83046	Statistical quality control	Monday	

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

<b>Branch Cod</b>	e - APPLIED ST	TATISTICS &INFORMATICS ( C.B.C.S.)	New Fro	m April-2020
		Part I :- SemII		
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
$\mathbf{V}$	79516	Advanced Data Structure with C++	05-03-2022	
			Saturday	From
VI	79517	Theory of Testing of Hypothesis	07-03-2022	
		, , , , , , , , , , , , , , , , , , , ,	Monday	10.30 a.m.
VII	79518	Regression Analysis	08-03-2022	40
			Tuesday	to
VIII	79519	Design and Analysis of Experiments	09-03-2022	11.30 a.m.
			Wednesday	
IX	79520	Sampling Theory and Official Statistics	10-03-2022	
			Thursday	

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

<b>Branch Coc</b>	de - APPLIEI	STATISTICS& INFORMATICS ( C.B.C.S.)	New Fro	m Oct-2020
		Part II :- SemIII		
PAPER	PAPER	PAPER NAME	DAY &	Session- I &
NO.	CODE		DATE	III
X	80591	Data Base Management System	22-02-2022	
			Tuesday	
Choose A	ny One of th	ne Following		
XI	80594	Stochastic Processes	23-02-2022	
	80595	Functional Data Analysis	Wednesday	From
Choose A	ny One of th	ne Following	-	
	·	S		02.30 p.m.
XII	80596	Data Mining	24-02-2022	
	80597	Artificial Intelligence	Thursday	to
Choose A	ny One of the	ne Following	•	03.30 p.m.
XIII	80598	Time Series Analysis	25-02-2022	00.50 p.m.
	80599	Statistical Ecology	Friday	
Choose A	ny One of the	ne Following		
<b>7777</b> 7	80592	Multivariata Analysis	26-02-2022	
XIV		Multivariate Analysis		
	80593	Bayesian Inference	Saturday	
	81347	Regression Analysis	08-03-2022	10.30 a.m.
			Tuesday	To
				11.30 a.m

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

<b>Branch Coo</b>	de - APPLIEI	O STATISTICS & INFORMATICS ( C	C.B.C.S.) From	n April-2020
		Part II :- SemIV		
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-I & III
NO.	CODE		DATE	
XV	79378	Optimization Techniques	22-02-2022	10.30 a.m.
			Tuesday	To
XVI	79379	Python for Data Science	02-03-2022	11.30 a.m.
			Wednesday	
Choose An	y Three of t	he Following Papers (Paper No-XVI	I to XX)	
	79381	Generalized Linear Models	23-02-2022	10.30a.m.
			Wednesday	To
				11.30a.m.
	79387	Data Mining	24-02-2022	02.30. p.m.
			Thursday	To
				03.30 p.m.
	79382	Survival Analysis	26-02-2022	10.30 a.m.
			Saturday	To
				11.30 a.m.
	79384	Time Series Analysis	25-02-2022	02.30 p.m.
			Friday	To
				03.30 p.m.
	79383	Statistical Quality Control	28-02-2022	From
			Monday	10.30 a.m.
	79385	Statistical Ecology	03-03-2022	to
		35	Thursday	
	79386	Econometrics	24-02-2022	11.30 a.m.
			Thursday	

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

<b>Branch C</b>	ode - APPL	IED STATISTICS & INFORMATI	CS ( C.B.C.S.) From	om April-2021
		Part II :- SemIV		
<b>PAPER</b>	PAPER	PAPER NAME	DAY & DATE	Session-I
NO.	CODE			
XVI	82941	Generalized Linear Models	23-02-2022	
			Wednesday	
<b>Choose A</b>	ny One of tl	ne Following	•	
XVII	82942	Survival Analysis	26-02-2022	From
	83042	Actuarial statistics	Saturday	10.30 a.m.
<b>Choose A</b>	ny One of tl	ne Following		
XVIII	83238	Biostatistics	24-02-2022	to
	82946	Econometrics	Thursday	11.30 a.m.
Choose A	ny One of tl	1e Following		
XIX	82939	Python for Data Science	02-03-2022	
			Wednesday	
<b>Choose A</b>	ny One of tl	ne Following		
XX	83045	Spatial data analysis	28-02-2022	
	82943	Statistical quality control	Monday	

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

Branch C	Code- ENVIE	RONMENTAL SCIENCE (C.B.C.S.)	March- 202	0
		Part I :- SemII		
<b>PAPER</b>	PAPER	PAPER NAME	DAY & DATE	Session-I
NO.	CODE			
V	79477	Environmental Engineering	08-03-2022	
			Tuesday	From
VI	79478	Environmental Pollution and	09-03-2022	
		control	Wednesday	10.30 a.m.
VII	79479	Environmental Geosciences and	10-03-2022	40
		Climatology	Thursday	to
VIII	79480	Energy studies	11-03-2022	11.30 a.m.
			Friday	
IX	79481	Environmental Monitoring and	12-03-2022	
		Energy Studies	Saturday	

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

	Wi.Sc. Environmental Science (C.B.C.S.) Ivew				
Branch Coo	le- ENVIR	ONMENTAL SCIENCE (C.B.C.S.)	from Oct 20	20	
	Part II :- SemIII				
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-III	
NO.	CODE		DATE		
X	80582	Natural Resources and their	28-02-2022	From	
		Conservation	Monday		
XI	80583	Environmental Statistics and	02-03-2022	02.30 p.m.	
		Computer Applications	Wednesday	4	
XII	80584	Environmental Policy and Legislation	03-03-2022	to	
			Thursday	03.30 p.m.	
XIII	80585	Environmental Toxicology and Public	04-03-2022	00.00 p.m.	
		Health	Friday		

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

Branch Coo		ONMENTAL SCIENCE (C.B.C.S.)	From April-	-2015	
	Part II :- SemIV				
PAPER	PAPER	PAPER NAME	DAY &	Session-I	
NO.	CODE		DATE		
XIII	65019	Socio- Economic Aspects of	28-02-2022	From	
		Environment	Monday	Tiom	
XIV	65020	Environmental Hazards and Disaster	2-03-2022	10.30 a.m.	
		Management	Wednesday		
XV	65021	Environmental Planning and	03-03-2022	to	
		Management	Thursday	11 20	
XVI	65022	Environmental Biotechnology	04-03-2022	11.30 a.m.	
			Friday		

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

<b>Branch Cod</b>	le- ENVIR	ONMENTAL SCIENCE (C.B.C.S.)	From Api	ril-2021
		Part II :- SemIV		
PAPER	PAPER	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
XIII	83050	Socio- Economic Aspects of	28-02-2022	From
		Environment	Monday	riom
XIV	83051	Environmental Hazards and Disaster	02-03-2022	10.30 a.m.
		Management	Wednesday	
XV	83052	Environmental Planning and	03-03-2022	to
		Management	Thursday	
XVI	83053	Environmental Biotechnology	4-03-2022	11.30 a.m.
			Friday	

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

<b>Branch Co</b>	Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) From April-2020				
		Part I :- SemII			
PAPER	<b>PAPER</b>	PAPER NAME	DAY &DATE	Session-I	
NO.	CODE				
V	79374	Fruit and Vegetable Technology	08-03-2022	15	
			Tuesday	From	
VI	79372	Principles of Food Engineering	09-03-2022	10.30 a.m.	
			Wednesday	10.50 a.m.	
VII	79373	Cereal and Legume Technology	10-03-2022	to	
			Thursday		
VIII	79375	Fermentation Technology	11-03-2022	11.30 a.m.	
			Friday		

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

<b>Branch Co</b>	de- FOOD	SCIENCE & TECHNOLOGY ( C.B.C.S.)	From	Oct-2020
		Part II :- SemIII		
PAPER	PAPER	PAPER NAME	DAY &	Session-III
NO.	CODE		DATE	
	80990	Technology of Meat, Fish and	28-02-2022	
		Poultry Products	Monday	From
	80991	Technology of Milk and Milk	02-03-2022	
		Products	Wednesday	02.30 p.m.
	80993	Food Quality and Safety	03-03-2022	to
		Management	Thursday	to
	80992	Food Additives, Contaminants	04-03-2022	03.30 p.m.
		and Toxicology	Friday	_

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

Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.)		From A	pril-2015	
		Part II :- SemIV		
PAPER	PAPER	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
XIII	65134	Food Packaging	28-02-2022	From
			Monday	
XIV	65135	Technology of Oilseeds & Fats	02-03-2022	10.30 a.m.
			Wednesday	,
XV	65136	Food Biotechnology	03-03-2022	to
			Thursday	11.30 a.m.
XVI	65137	Post-Harvest Technology of	04-03-2022	11.50 a.111.
		Plantation Crops	Friday	

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

<b>Branch Cod</b>	le- FOOD S	CIENCE & TECHNOLOGY ( C.B.C.S.)	From April-2021	
		Part II :- SemIV		
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
XIII	82952	Food Packaging	28-02-2022	
			Monday	From
XIV	82949	Technology of Oilseeds & Fats	02-03-2022	
			Wednesday	10.30 a.m.
XV	82950	Food Biotechnology	03-03-2022	4.0
			Thursday	to
XVI	82951	Post-Harvest Technology of	04-03-2022	11.30 a.m.
		Plantation Crops	Friday	11.00 0 00.000

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

Branch	Branch Code - Alcohol Technology (C.B.C.S.)		(From April-	-2021)
		Part I - Sem II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II
V	82915	Industrial Fermentation	28-02-2022 Monday	From
VI	82916	Alcohol Technology-II	02-03-2022 Wednesday	12.30 p.m.
VII	82914	Applied Microbiology	03-03-2022 Thursday	to 01.30 p.m.
VIII	82917	Applied Process Instrumentation	04-03-2022 Friday	01.00 p.m.

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

Branch	Code - Ale	cohol Technology (C.B.C.S.)	(From March	<u>-2018)</u>
		Part II - Sem III		
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
I	68636	Alcohol Technology-III	22-02-2022	
			Tuesday	-
II	68637	Microbiology III	23-02-2022	From
			Wednesday	0.4.20
III	68638	Fermentation Technology-III	24-02-2022	04.30 p.m.
			Thursday	to
Paper	Paper No	o. IV: - Choose Any One of the Follow	ing Papers	05.30 p.m.
No. IV	68639	Industrial waste treatments		
		&Environmental management	25-02-2022	
	68640	Sugar Technology (ST)	Friday	
	68641	Instrumentation & Automation in		
		Distillery.		

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

Branch	Code - Alo	cohol Technology (C.B.C.S.)	(From Oct-	-2021)
		Part II - Sem III		
PAPER	PAPER	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
IX	83795	Alcohol Technology-III	22-02-2022	<b>T</b>
			Tuesday	From
X	83796	Industrial Microbiology	23-02-2022	04.30 p.m.
			Wednesday	to
XI	83797	Chemical Engineering	24-02-2022	••
			Thursday	05.30 p.m.
Paper	Paper No	o. XII: - Choose Any One of the Follow	ving Papers	ocus pumi
No. XII	83798	Industrial Waste Water Treatment		
	83799	Pollution Prevention and Control	25-02-2022	
	83800	Sugar Technology	Friday	

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

Branch Code - Alcohol Technology (C.B.C.S.)		cohol Technology (C.B.C.S.)	(From O	ct-2018)
		Part II - Sem IV		
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-II
NO.	CODE		DATE	
I	68644	Alcohol & Beverages production from	22-02-2022	
		grain and other sources	Tuesday	
II	68645	Production of ENA, ETHNOL	23-02-2022	From
		&IMFL	Wednesday	12 20
III	68646	Chemical Engineering	24-02-2022	12.30 p.m.
			Thursday	to
Paper	Paper No	o. IV: - Choose Any One of the Followi	ing Papers	
No. IV	68647	General Engineering		01.30 p.m.
	68648	Pollution Prevention & Control	25-02-2022	
	68649	Business management & marketing	Friday	

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

Branch	Code - Sug	gar Technology (C.B.C.S.)	(From April	<u>l-2021</u>
		Part I - Sem II		
PAPER	PAPER	PAPER NAME	DAY &	Session-II
NO.	CODE		DATE	
V	82907	Sugar Chemistry(SUCHEM)	28-02-2022	
			Monday	From
VI	82908	Sugar Processing-Crystalization &	02-03-2022	
		Finishing	Wednesday	12.30 p.m.
VII	82909	Sugar Engineering-Steam & Power	03-03-2022	40
		Generation(SEEPG)	Thursday	to
VIII	82910	Equipment Design and	04-03-2022	01.30 p.m.
		Drawing(EDD)	Friday	orio print

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

Branch	Code - Su	igar Technology (C.B.C.S.)	(From	March-2018)
		Part II - Sem III		
PAPER	PAPER	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
I	68620	Equipments Capacity	22-02-2022	
		Calculation(ECC)	Tuesday	
II	68621	Sugar Processing-Crystallzation(SPC)	23-02-2022	From
			Wednesday	0.4.20
III	68622	Chemical Engineering-Heat &	24-02-2022	04.30 p.m.
		Momentum Transfer(CEHMT)	Thursday	to
Paper	Paper No	. IV :- Choose Any One of the Following	Papers	05 20 n m
No.IV	68623	Alcohol Technology(ALCOTECH)		05.30 p.m.
	68624	Bio-Chemical Engineering(BCE)	25-02-2022	
	68625	Electronics and Instrumention	Friday	
		Engineering(EIE)		

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

Branch	Code - St	igar Technology (C.B.C.S.)	(From	Oct-2021)
		Part II - Sem III		
PAPER	PAPER	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
IX	83802	Equipments Capacity	22-02-2022	
		Calculation(ECC)	Tuesday	From
X	83803	Allied sugar manufacturing	23-02-2022	0.4.20
			Wednesday	04.30 p.m.
XI	83804	Chemical Engineering-Heat &	24-02-2022	to
		Material Transfer(CEHMT)	Thursday	07.20
Paper	Paper No	. XII :- Choose Any One of the Following	Papers	05.30 p.m.
No.XII	83805	Alcohol Technology(ALCOTECH)		
	83806	Bio-Chemical Engineering(BCE)	25-02-2022	
	83807	Electronics and Instrument	Friday	
		Engineering(EIE)	-	

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

Branch	Branch Code - Sugar Technology (C.B.C.S.) (From Oct-2018)				
		Part II - Sem IV			
PAPER	PAPER	PAPER NAME	DAY &	Session-II	
NO.	CODE		DATE		
I	68628	Sugar Processing-Finishing	22-02-2022		
			Tuesday	From	
II	68629	Allid Sugar Manufacturing	23-02-2022		
			Wednesday	12.30 p.m.	
III	68630	Chemical Engineering-Unit Operation	24-02-2022	<b>t</b> o	
			Thursday	to	
Paper	Paper No	o. IV:- Choose Any One of the Follow	ing Papers	01.30 p.m.	
No. IV	68631	Energy Conversion and Cogeneration	25-02-2022	_	
	68632	Pollution Preventation and Control	Friday		
	68633	Water Management and Zero			
		Discharge			

# M.Sc. Medical Information Management

<b>Branch Co</b>	de- Medica	l Information Management ( C.B.C.S.)	From April-20	)20
		Part I :- SemII		
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-III
NO.	CODE		DATE	
V	80827	Research Methods and Statistics	08-03-2022	From
			Tuesday	FIOIII
VI	80828	Clinical Data and Quality Management	09-03-2022	02.30 p.m.
			Wednesday	o zwo o prizir
VII	80829	Clinical Quality Management	10-03-2022	to
			Thursday	
VIII	80830	Clinical Data Management	11-03-2022	03.30 p.m.
			Friday	

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

2020	From Oct20	l Information Management ( C.B.C.S.)	de- Medica	<b>Branch Co</b>
		Part II :- SemIII		
Session-I	DAY &	PAPER NAME	PAPER	PAPER
	DATE		CODE	NO.
	28-02-2022	Clinical Data Management-II	81112	IX
From	Monday			
	02-03-2022	Clinical Quality Management-II	81113	X
10.30 a.m.	Wednesday			
10	03-03-2022	Project Management and Project	81114	XI
to	Thursday	Presentation		
11.30 a.m.	04-03-2022	Module to deepen Knowledge Clinical	81115	XII
11.50 4.111.	Friday	Research Biostatistics, Epidemiology.		

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

Branch (	Code - GE	OGRAPHY (C.B.C.S.) (Fro	om April-2020	
		Part I - Sem II		
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
I	79307	Applied Geomorphology	05-03-2022	From
			Saturday	I'I UIII
II	79308	Applied Climatology and Climate Change	07-03-2022	10.30 a.m.
			Monday	
III	79309	Social and Cultural Geography	08-03-2022	to
			Tuesday	44.00
IV	79536	Advanced Cartography and Surveying	09-03-2022	11.30 a.m.
			Wednesday	

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

<b>Branch Co</b>	de - GEOC	GRAPHY (C.B.C.S.)	(From Oct-202	20
		Part II - Sem III		
PAPER	PAPER	PAPER NAME	DAY & DATE	Session-III
NO.	CODE			
V	81148	Geohydrology and Oceanography	22-02-2022	
			Tuesday	
VI	81149	Fundamentals of Remote Sensing	23-02-2022	From
		and Digital Image Processing	Wednesday	
Choose Any	y One of the	Following Papers		02.30 p.m.
VII	81150	Geography of Environment	24-02-2022	to
			Thursday	
	81151	Biogeography		03.30 p.m.
Choose Any	One of the	Following Papers		
VIII	81152	Settlement Geography	25-02-2022 Friday	
	81153	Geography of India	Tillday	
	81154	Political Geography		

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

Branch Code - GEOGRAPHY (C.B.C.S.) From April-2020

		Part II :- SemIV			
PAPER	PAPER	PAPER NAME	DAY &	Session-I	
NO.	CODE		DATE		
IX	79489	Development of Modern	22-02-2022		
		Geographical Thought	Tuesday		
X	79490	Regional Planning and Development	23-02-2022		
			Wednesday		
		Choose Any One Of The Following Papers			
XI	79493	Tourism Geography	24-02-2022	10.30 a.m.	
	79494	Agricultural Geography	Thursday	to	
	Choose Any One Of The Following Papers				
XII	79491	Fundamentals of Geographical Information System and Introduction	25-02-2022		
	79492	Fundamental of Soil Geography	Friday		

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

Branch C	ode- Geog	raphy (C.B.C.S.)	From A	pril2021
		Part II :- SemIV		
PAPER	<b>PAPER</b>	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
IX	82982	Development of Modern Geographical	22-02-2022	
		Thought	Tuesday	
X	82983	Regional Planning and Development	23-02-2022	From
			Wednesday	10.30 a.m.
	Choo	se Any One Of The Following Papers		10.30 a.m.
XI	82984	Fundamentals and Application of GIS	25-02-2022	to
		and GPS	Friday	
	82985	Fundamental of Soil Geography		11.30 a.m.
	Choo	se Any One Of The Following Papers		
XII	82986	Agricultural Geography		
<b>-</b>	82987	Tourism Geography	24-02-2022	
<b>-</b>	82988	Geography of Health and Nutrition	Thursday	

## M.A/M.Sc. Mathematics

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

Branch Co	de - Math	ematics (C.B.C.S.)	(From April-2	020
		Part I - Sem II		
PAPER	PAPER	PAPER NAME	DAY &	Session-I
NO.	CODE		DATE	
VI	71421/	Functional Analysis	14-03-2022	
	79315/		Monday	
	63303			
VII	71422/	Algebra	15-03-2022	
	79316/		Tuesday	
	59827			
VIII	71423/	General Topology	16-03-2022	From
	79317	2 00	Wednesday	FIOIII
VIII	61382	Topology	17-03-2022	10.30 a.m.
			Thursday	,
IX	71424/	Numerical Analysis	19- 03-2022	to
1A	79318	Numerical Analysis		11.30 a.m.
	/9318		Saturday	11.30 a.m.
IX	69566	Numerical Analysis	21-03-2022	
		_	Monday	
X	71425/	Partial Differential Equations	22- 03-2022	
	79319/	•	Tuesday	
	63319			

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

Branch Co	ode - Math	ematics (C.B.C.S.)	(From A	pril-2020
		Part II - Sem III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
XI	59829/	Real Analysis	10-03-2022	From
	73976		Thursday	02.30 p.m.
XII	73977	Field Theory	22-02-2022	to
			Tuesday	03.30 p.m.
XIII,	XIV & XV	Any Three of the following Pa		
,	63307/	Number Theory	23-02-2022	
	73978		Wednesday	
	63316/	Operations Research – I	24-02-2022	
	73979	P -	Thursday	
	63314/	Fuzzy Mathematics –I	25-02-2022	
	73980		Friday	
	63305/	Fluid Dynamics	26-02-2022	
	73981	1 1010 = 9 11011100	Saturday	
	73982/	Fractional Calculus	28-02-2022	
	80967		Monday	
	73983	General Relativity – I	02-03-2022	
	, 23 02		Wednesday	From
	73984	Lattice Theory – I	03-03-2022	From
	, , , ,		Thursday	
	73985	Approximation Theory	04-03-2022	
		Tr	Friday	02.30 p.m.
	73986	Dynamical Systems – I	05 -03-2022	
			Saturday	to
	73987	Graph Theory-I	07-03-2022	03.30 p.m.
	, , , , ,		Monday	03.30 p.m.
	61385/	Differential Geometry	08-03-2022	
	73988	1 - 1 - 3 - 3	Tuesday	
	63320/	Combinatorics	09-03-2022	
	73989		Wednesday	
	73990	Topological Vector Spaces	16-03-2022	
		r - 8	Wednesday	
	73991	Commutative Algebra - I	12-03-2022	
			Saturday	
	63312/	Space Dynamics- I	14-03-2022	
	73992	- F	Monday	
	73993	Theory of Computation	15-03-2022	
	, 5, , 5		Tuesday	
	73994	Algebraic Topology	11-03-2022	
	, , , , , ,	Tageorate Topology	Friday	

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

Branch Code - Mathematics (C.B.C.S.)			(From Oct-2020	
		Part II - Sem III		
PAPER	PAPER	PAPER NAME	DAY & DATE	Session-III
NO.	CODE			
XI	80960	Real Analysis	10-03-2022	From
			Thursday	02.30. p.m.
				to
				03.30 .p.m.
Any one	of the follo	owing		
VII	63304/	Advanced Discrete Mathematics	16-03-2022	From
XII	79322/		Wednesday	02.30 p.m.
	80961			to
	80962	Topological Vector Spaces		03.30 p.m.
XIII, XI	,	Any Three of the following Papers		
	80963/	Number Theory	23-02-2022	
	63307		Wednesday	
	80964/	Operations Research – I	24-02-2022	
	63316		Thursday	
	80965/	Fuzzy Mathematics –I	25-02-2022	
	63314		Friday	
	80966	Fluid Dynamics	26-02-2022	
			Saturday	
	80967	Fractional Calculus	28-02-2022	
			Monday	
	80968	General Relativity – I	02-03-2022	From
			Wednesday	
	80969	Lattice Theory – I	03-03-2022	02.30 p.m.
	000=0		Thursday	
	80970	Approximation Theory	04-03-2022	to
	000=1		Friday	00.00
	80971	Dynamical Systems – I	05 -03-2022	03.30 p.m.
	00050	G 1 ml	Saturday	
	80972	Graph Theory-I	07-03-2022	
	00072	D:00 ::10	Monday	
	80973	Differential Geometry	08-03-2022	
	00074	Cambinatarian	Tuesday	
	80974	Combinatorics	09-03-2022	
	00070	Duckahilita and Cond.	Wednesday	
	80979	Probability and Stochastic	16-03-2022	
	00075	Processes  Commutative Algebra I	Wednesday	
	80975	Commutative Algebra - I	12-03-2022	
	20076	Space Dynamics I	Saturday	
	80976	Space Dynamics- I	14-03-2022 Monday	
	20077	Theory of Computation	Monday	
	80977	Theory of Computation	15-03-2022	
	20079	Algebraia Tanalagy	Tuesday	
	80978	Algebraic Topology	11-03-2022	
			Friday	

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

Branch (	Code - MA	THEMATICS (C.B.C.S.) Old	(From Apr	<u>il-2020)</u>
		Part II :- SEM-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY &DATE	Session-I & III
XVI	79322	Advance Discrete Mathematics	16-03-2022 Wednesday	From 02.30 p.m. to
				03.30 p.m.
XVII	63336/	Integral Equation	10-03-2022	From
	79321		Thursday	10.30 a.m.
	17321			to
				11.30 a.m.
Paper N	o. – XVII	I, XIX & XX – Choose any Three of the		
	79476	Dynamics Equations on Time Scales	23-02-2022	
			Wednesday	
	63335/	Fractional Differential Equations	24-02-2022	
	79327		Thursday	
	63330/	General Relativity-II	25-02-2022	
	79328		Friday	
	63324/	Lattice Theory-II	26-02-2022	
	79329		Saturday	
	79325/	Fuzzy Mathematics-II	28-02-2022	
	63328		Monday	From
	79332	Graph Theory-II	02-03-2022	
			Wednesday	10.30 a.m.
	63329/	Computational Fluid Dynamics	03-03-2022	,
	79326		Thursday	to
	63323/	Operations Research –II	04-03-2022	11 20 0
	79324		Friday	11.30.a.m.
	63334/	Algebraic Number Theory	05 -03-2022	
	79323		Saturday	
	63327/	Wavelet Analysis	07-03-2022	
	79330		Monday	
	63331/	Dynamical Systems- II	08-03-2022	
	79331		Tuesday	
	63322/	Commutative Algebra-II	09-03-2022	
	79336		Wednesday	
	79333	Analysis on Manifolds	22-02-2022	
	70475	A	Tuesday	
	79475	Automata Theory	11-03-2022	
	70227	Conne Demonsier II	Friday	
	79337	Space Dynamics-II	12-03-2022	
	70225	Theory of Distributions	Saturday	
	79335	Theory of Distributions	14-03-2022	
	70224	Magazina and Ista sization	Monday	
	79334	Measure and Integration	15-03-2022	
			Tuesday	

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

Branch C	ode- Math	ematics ( C.B.C.S.)	Fron	n April—2021
		Part II :- SemIV		
PAPER	PAPER	PAPER NAME	DAY &	Session-I&
NO.	CODE		DATE	Ш
	69567/	Field Theory	22-02-2022	02.30. p.m.
	63326/		Tuesday	То
	83058			03.30 p.m.
	83057	Integral Equations	10-03-2022	10.30 a.m.
			Thursday	to
				11.30 a.m
Paper	No. – XVI	II, XIX & XX – Choose any Three of		
	83059	Algebraic Number Theory	05 -03-2022	
			Saturday	
	83060	Operations Research –II	04-03-2022	
			Friday	
	83061	Fuzzy Mathematics-II	28-02-2022	
			Monday	
	83062	Computational Fluid Dynamics	03-03-2022	
			Thursday	10.30 a.m.
	83063	Fractional Differential Equations	24-02-2022	to
			Thursday	11.30 a.m
	83066	Wavelet Analysis	07-03-2022	
			Monday	
	83072	Commutative Algebra-II	09-03-2022	
			Wednesday	
	83073	Space Dynamics-II	12-03-2022	
			Saturday	
	83074	Dynamics Equation on Time Scales	23-02-2022	
			Wednesday	

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

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

Branch (	Branch Code - M.Sc. TECH ( MATHEMATICS ) ( C.B.C.S.) (Revised From Application of the Code				
		Part I :- SemII			
<b>PAPER</b>	<b>PAPER</b>	PAPER NAME	DAY &	Session-I & II	
NO.	CODE		DATE		
I	71460	Functional Analysis	14-03-2022	10.30 a.m.	
			Monday	to	
				11.30 a.m.	
II	71461	Algebra	12-03-2022		
			Saturday		
IV	71464	Operating Systems	17-03-2022	12.30 p.m.	
			Thursday	40	
V	71463	Data Structures Using-C	15-03-2022	to	
			Tuesday	01.30 p.m.	
III	71462	Discrete Mathematical Structures-II	16-03-2022	o no o pinn	
			Wednesday		

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

nch Code	- M.Sc	. TECH (MATHEMATICS) (C.B.C.S.) (Rev	rised From Oct-2019)	
Part II :- SemIII				
<b>PAPER</b>	PAPER	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
I	74024	Complex Analysis	04-03-2022	From
			Friday	
II	74025	ODE	05 -03-2022	04.30 p.m.
			Saturday	40
IV	74026	DAA-I	07-03-2022	to
			Monday	05.30 p.m.
V	74027	Database System	08-03-2022	ocae o pana
			Tuesday	
III	74028	Object Oriented Programming with	09-03-2022	
		C++	Wednesday	

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

Branch	Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) From Oct-2020				
		Part II :- SemIV			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II & III	
I	79483	Real Analysis	10-03-2022	02.30.p.m. to	
			Thursday	03.30. p. m.	
II	79884	Operation Research	04-03-2022	From	
			Friday		
IV	79485	DAA-II	05 -03-2022	12.30 p.m.	
			Saturday	40	
V	79486	PHP With MySQL	07-03-2022	to	
			Monday	01.30 p.m.	
VI	79487	Java Programming	08-03-2022	01.00 p.m.	
			Tuesday		

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

Branch Code - M.Sc. TECH (MATHEMATICS ) (C.B.C.S.) From Oct-2016				
		Part III :- SemV		
<b>PAPER</b>	PAPER	PAPER NAME	DAY &	Session-IV
NO.	CODE		DATE	
I	67980	Compiler Techniques	22-03-2022	_
			Tuesday	From
II	67981	Software Engineering	23-03-2022	04.20
			Wednesday	04.30 p.m.
III	67982	Computer Networks	24-03-2022	to
		-	Thursday	
IV	67983	Computer Graphics	25-03-2022	05.30 p.m.
			Friday	-
	•	Paper No. V- Choose any C	one of the following	
	67984	Web Technology	26-03-2022	From
	67985	PHP with MySQL	Saturday	
	67986	Android Programmimg		04.30 p.m.
	67987	Advanced Java		4 -
				to
				05.30 p.m.

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

Branch	Oct-2020			
		Part III :- SemV		
<b>PAPER</b>	PAPER	PAPER NAME	DAY &	<b>Session-IV</b>
NO.	CODE		DATE	
I	81119	Advanced Web Technology	22-03-2022	
			Tuesday	From
II	81120	Software Engineering	23-03-2022	04 20 n m
			Wednesday	04.30 p.m.
III	81121	Computer Networks	24-03-2022	to
			Thursday	••
IV	81122	Cyber Security	25-03-2022	05.30 p.m.
			Friday	
		Paper No. V- Choose any C	One of the following	
	81123	Compiler Techniques	26-03-2022	From
	81124	Linux Operating System	Saturday	
	81125	Android Programmimg		04.30 p.m.
	81126	Machine Learning		to
				ιο
				05.30 p.m.

Sd/-

Vidyanagar, Kolhapur – 416 004 Date :- 25 Jan 2022 Shri. G.R. Palse I/c DIRECTOR BOARD OF EXAMINATIONS AND EVALUATION