



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 dated 14-01-2022, and also available in University website www.unishivaji.ac.in.

1. The Online examination will be conducted in following order

M.Sc. Physics

Branch Code - Physics (C.B.C.S.) From				April-2020
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
V	79543	Quantum Mechanics-II	05-03-2022 Saturday	From 10.30 a.m. to 11.30 a.m.
VI	79544	Statistical Mechanics	07-03-2022 Monday	
VII	79545	Electrodynamics	08-03-2022 Tuesday	
VIII	79546	Atomic & Molecular Physics	09-03-2022 Wednesday	

Branch Code - Physics (C.B.C.S.) From				Oct-2020	
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III	
IX	80820	Nuclear and Particle Physics	22-02-2022 Tuesday	From 2.30 p.m. to 3.30 p.m.	
Choose Any One Of The Following Paper					
X	81116	Data Analysis and Statistical Software(DASF)	23-02-2022 Wednesday		
	81117	Numerical Computing Using MATLAB(NCU)			
	81118	Computational Programming using Mathematica (CP)			
	81236	Thin Film Deposition Technology(TFDT)			
Choose Any One Of The Following Paper					
XI	81092	The New Energy Technologies(TNET)	24-02-2022 Thursday		
	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)			
Choose Any One Of The Following Paper					
XII	81098	Solar Thermal Devices (STD)	25-02-2022 Friday		
	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 optics(CTHND2)			

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

Branch Code - PHYSICS (C.B.C.S.)			From-(March-2020)		
Part II :- Semester IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I	
IX	79340	Experimental Techniques	22-02-2022 Tuesday	From 10.30 a.m. to 11.30 a.m.	
Choose Any One of The Following Subject					
X	68287	Modern Analytical Techniques	23-02-2022 Wednesday		
	79343	Electronic Devices			
	79341	Numerical Methods And Programming			
	79342	MATI AB Programming and Applications			
	79515	Media And Society			
Choose Any One of The Following Subject					
XI	79344	Renewable Energy Resources	24-02-2022 Thursday		
	79346	Special Materials			
	79348	Molecular Spectroscopy			
	79350	Magnetospheric Plasma Dynamics			
	79352	Physical Properties of Solids			
	79354	Interaction of Electromagnetic waves with Electron Beams & Plasmas			
Choose Any One of The Following Subject					
XII	79345	Energy Conversion Devices	25-02-2022 Friday		
	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

Branch Code - PHYSICS (C.B.C.S.)			From-(March-2021)		
Part II :- Semester IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I	
IX	83111	Experimental Techniques	22-02-2022 Tuesday	From 10.30 a.m. to 11.30 a.m.	
Choose Any One of The Following Subject					
X	83221	Numerical Methods And Programming	23-02-2022 Wednesday		
	83222	MATI AB Programming and Applications			
	83223	Energy Conversion and Storage Devices			
	83224	MATI AB Programming and Applications			
Choose Any One of The Following Subject					
XI	83080	Renewable Energy Resources	24-02-2022 Thursday		
	83081	Special Materials			
	83082	Molecular Spectroscopy			
	83083	Magnetospheric Plasma Dynamics			
	83084	Physical Properties of Solids			
	83085	Interaction of Electromagnetic waves with Electron Beams & Plasmas			
Choose Any One of The Following Subject					
XII	83086	Energy Conversion Devices	25-02-2022 Friday		
	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.]

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	05-03-2022 Saturday	From 10.30 a.m. to 11.30a.m.
VII	74914	Theory of Testing of Hypothesis	07-03-2022 Monday	
VIII	74915	Regression Analysis	08-03-2022 Tuesday	
IX	74916	Design and Analysis of Experiments	09-03-2022 Wednesday	
X	74917	Sampling Theory and Official Statistics	10-03-2022 Thursday	

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

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

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

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

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

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

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

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++	05-03-2022 Saturday	From 10.30 a.m. to 11.30 a.m.
VI	79517	Theory of Testing of Hypothesis	07-03-2022 Monday	
VII	79518	Regression Analysis	08-03-2022 Tuesday	
VIII	79519	Design and Analysis of Experiments	09-03-2022 Wednesday	
IX	79520	Sampling Theory and Official Statistics	10-03-2022 Thursday	

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

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- I & III	
X	80591	Data Base Management System	22-02-2022 Tuesday	From 02.30 p.m. to 03.30 p.m.	
Choose Any One of the Following					
XI	80594	Stochastic Processes	23-02-2022 Wednesday		
	80595	Functional Data Analysis			
Choose Any One of the Following					
XII	80596	Data Mining	24-02-2022 Thursday		
	80597	Artificial Intelligence			
Choose Any One of the Following					
XIII	80598	Time Series Analysis	25-02-2022 Friday		
	80599	Statistical Ecology			
Choose Any One of the Following					
XIV	80592	Multivariate Analysis	26-02-2022 Saturday		
	80593	Bayesian Inference			
	81347	Regression Analysis	08-03-2022 Tuesday		

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

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

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

Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.)				From April-2021
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
XVI	82941	Generalized Linear Models	23-02-2022 Wednesday	From 10.30 a.m. to 11.30 a.m.
Choose Any One of the Following				
XVII	82942	Survival Analysis	26-02-2022 Saturday	
	83042	Actuarial statistics		
Choose Any One of the Following				
XVIII	83238	Biostatistics	24-02-2022 Thursday	
	82946	Econometrics		
Choose Any One of the Following				
XIX	82939	Python for Data Science	02-03-2022 Wednesday	
Choose Any One of the Following				
XX	83045	Spatial data analysis	28-02-2022 Monday	
	82943	Statistical quality control		

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-I
V	79477	Environmental Engineering	08-03-2022 Tuesday	From 10.30 a.m. to 11.30 a.m.
VI	79478	Environmental Pollution and control	09-03-2022 Wednesday	
VII	79479	Environmental Geosciences and Climatology	10-03-2022 Thursday	
VIII	79480	Energy studies	11-03-2022 Friday	
IX	79481	Environmental Monitoring and Energy Studies	12-03-2022 Saturday	

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-III
X	80582	Natural Resources and their Conservation	28-02-2022 Monday	From 02.30 p.m. to 03.30 p.m.
XI	80583	Environmental Statistics and Computer Applications	02-03-2022 Wednesday	
XII	80584	Environmental Policy and Legislation	03-03-2022 Thursday	
XIII	80585	Environmental Toxicology and Public Health	04-03-2022 Friday	

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

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

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

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)			From April-2021	
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
XIII	83050	Socio- Economic Aspects of Environment	28-02-2022 Monday	From 10.30 a.m. to 11.30 a.m.
XIV	83051	Environmental Hazards and Disaster Management	02-03-2022 Wednesday	
XV	83052	Environmental Planning and Management	03-03-2022 Thursday	
XVI	83053	Environmental Biotechnology	4-03-2022 Friday	

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

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

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

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

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

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

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-I
XIII	82952	Food Packaging	28-02-2022 Monday	From 10.30 a.m. to 11.30 a.m.
XIV	82949	Technology of Oilseeds & Fats	02-03-2022 Wednesday	
XV	82950	Food Biotechnology	03-03-2022 Thursday	
XVI	82951	Post-Harvest Technology of Plantation Crops	04-03-2022 Friday	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

M.Sc. Medical Information Management

Branch Code- Medical Information Management (C.B.C.S.)			From April-2020	
Part I :- Sem.-II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
V	80827	Research Methods and Statistics	08-03-2022 Tuesday	From 02.30 p.m. to 03.30 p.m.
VI	80828	Clinical Data and Quality Management	09-03-2022 Wednesday	
VII	80829	Clinical Quality Management	10-03-2022 Thursday	
VIII	80830	Clinical Data Management	11-03-2022 Friday	

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

Branch Code- Medical Information Management (C.B.C.S.)			From Oct--2020	
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
IX	81112	Clinical Data Management-II	28-02-2022 Monday	From 10.30 a.m. to 11.30 a.m.
X	81113	Clinical Quality Management-II	02-03-2022 Wednesday	
XI	81114	Project Management and Project Presentation	03-03-2022 Thursday	
XII	81115	Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology.	04-03-2022 Friday	

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

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

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

Branch Code - GEOGRAPHY (C.B.C.S.)			(From Oct-2020	
		Part II - Sem III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
V	81148	Geohydrology and Oceanography	22-02-2022 Tuesday	From 02.30 p.m. to 03.30 p.m.
VI	81149	Fundamentals of Remote Sensing and Digital Image Processing	23-02-2022 Wednesday	
Choose Any One of the Following Papers				
VII	81150	Geography of Environment	24-02-2022 Thursday	
	81151	Biogeography		
Choose Any One of the Following Papers				
VIII	81152	Settlement Geography	25-02-2022 Friday	
	81153	Geography of India		
	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 :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
IX	79489	Development of Modern Geographical Thought	22-02-2022 Tuesday	From 10.30 a.m. to 11.30 a.m.
X	79490	Regional Planning and Development	23-02-2022 Wednesday	
Choose Any One Of The Following Papers				
XI	79493	Tourism Geography	24-02-2022 Thursday	
	79494	Agricultural Geography		
Choose Any One Of The Following Papers				
XII	79491	Fundamentals of Geographical Information System and Introduction	25-02-2022 Friday	
	79492	Fundamental of Soil Geography		

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

Branch Code- Geography (C.B.C.S.)

From April--2021

		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
IX	82982	Development of Modern Geographical Thought	22-02-2022 Tuesday	From 10.30 a.m. to 11.30 a.m.
X	82983	Regional Planning and Development	23-02-2022 Wednesday	
Choose Any One Of The Following Papers				
XI	82984	Fundamentals and Application of GIS and GPS	25-02-2022 Friday	
	82985	Fundamental of Soil Geography		
Choose Any One Of The Following Papers				
XII	82986	Agricultural Geography	24-02-2022 Thursday	
	82987	Tourism Geography		
	82988	Geography of Health and Nutrition		

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

Branch Code - Mathematics (C.B.C.S.)		(From April-2020		
Part I - Sem II				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I
VI	71421/ 79315/ 63303	Functional Analysis	14-03-2022 Monday	From 10.30 a.m. to 11.30 a.m.
VII	71422/ 79316/ 59827	Algebra	15-03-2022 Tuesday	
VIII	71423/ 79317	General Topology	16-03-2022 Wednesday	
VIII	61382	Topology	17-03-2022 Thursday	
IX	71424/ 79318	Numerical Analysis	19- 03-2022 Saturday	
IX	69566	Numerical Analysis	21-03-2022 Monday	
X	71425/ 79319/ 63319	Partial Differential Equations	22- 03-2022 Tuesday	

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

Branch Code - Mathematics (C.B.C.S.)		(From April-2020)		
		Part II - Sem III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
XI	59829/ 73976	Real Analysis	10-03-2022 Thursday	From 02.30 p.m. to 03.30 p.m.
XII	73977	Field Theory	22-02-2022 Tuesday	
XIII, XIV & XV Any Three of the following Papers				
	63307/ 73978	Number Theory	23-02-2022 Wednesday	From 02.30 p.m. to 03.30 p.m.
	63316/ 73979	Operations Research – I	24-02-2022 Thursday	
	63314/ 73980	Fuzzy Mathematics –I	25-02-2022 Friday	
	63305/ 73981	Fluid Dynamics	26-02-2022 Saturday	
	73982/ 80967	Fractional Calculus	28-02-2022 Monday	
	73983	General Relativity – I	02-03-2022 Wednesday	
	73984	Lattice Theory – I	03-03-2022 Thursday	
	73985	Approximation Theory	04-03-2022 Friday	
	73986	Dynamical Systems – I	05 -03-2022 Saturday	
	73987	Graph Theory-I	07-03-2022 Monday	
	61385/ 73988	Differential Geometry	08-03-2022 Tuesday	
	63320/ 73989	Combinatorics	09-03-2022 Wednesday	
	73990	Topological Vector Spaces	16-03-2022 Wednesday	
	73991	Commutative Algebra - I	12-03-2022 Saturday	
	63312/ 73992	Space Dynamics- I	14-03-2022 Monday	
	73993	Theory of Computation	15-03-2022 Tuesday	
	73994	Algebraic Topology	11-03-2022 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 NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-III
XI	80960	Real Analysis	10-03-2022 Thursday	From 02.30. p.m. to 03.30 .p.m.
Any one of the following				
XII	63304/ 79322/ 80961	Advanced Discrete Mathematics	16-03-2022 Wednesday	From 02.30 p.m. to 03.30 p.m.
	80962	Topological Vector Spaces		
XIII, XIV & XV Any Three of the following Papers				
	80963/ 63307	Number Theory	23-02-2022 Wednesday	From 02.30 p.m. to 03.30 p.m.
	80964/ 63316	Operations Research – I	24-02-2022 Thursday	
	80965/ 63314	Fuzzy Mathematics –I	25-02-2022 Friday	
	80966	Fluid Dynamics	26-02-2022 Saturday	
	80967	Fractional Calculus	28-02-2022 Monday	
	80968	General Relativity – I	02-03-2022 Wednesday	
	80969	Lattice Theory – I	03-03-2022 Thursday	
	80970	Approximation Theory	04-03-2022 Friday	
	80971	Dynamical Systems – I	05 -03-2022 Saturday	
	80972	Graph Theory-I	07-03-2022 Monday	
	80973	Differential Geometry	08-03-2022 Tuesday	
	80974	Combinatorics	09-03-2022 Wednesday	
	80979	Probability and Stochastic Processes	16-03-2022 Wednesday	
	80975	Commutative Algebra - I	12-03-2022 Saturday	
	80976	Space Dynamics- I	14-03-2022 Monday	
	80977	Theory of Computation	15-03-2022 Tuesday	
	80978	Algebraic Topology	11-03-2022 Friday	

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

Branch Code - MATHEMATICS (C.B.C.S.) Old				(From April-2020)
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/ 79321	Integral Equation	10-03-2022 Thursday	From 10.30 a.m. to 11.30 a.m.
Paper No. – XVIII, XIX & XX – Choose any Three of the following				
	79476	Dynamics Equations on Time Scales	23-02-2022 Wednesday	From 10.30 a.m. to 11.30.a.m.
	63335/ 79327	Fractional Differential Equations	24-02-2022 Thursday	
	63330/ 79328	General Relativity-II	25-02-2022 Friday	
	63324/ 79329	Lattice Theory-II	26-02-2022 Saturday	
	79325/ 63328	Fuzzy Mathematics-II	28-02-2022 Monday	
	79332	Graph Theory-II	02-03-2022 Wednesday	
	63329/ 79326	Computational Fluid Dynamics	03-03-2022 Thursday	
	63323/ 79324	Operations Research –II	04-03-2022 Friday	
	63334/ 79323	Algebraic Number Theory	05 -03-2022 Saturday	
	63327/ 79330	Wavelet Analysis	07-03-2022 Monday	
	63331/ 79331	Dynamical Systems- II	08-03-2022 Tuesday	
	63322/ 79336	Commutative Algebra-II	09-03-2022 Wednesday	
	79333	Analysis on Manifolds	22-02-2022 Tuesday	
	79475	Automata Theory	11-03-2022 Friday	
	79337	Space Dynamics-II	12-03-2022 Saturday	
	79335	Theory of Distributions	14-03-2022 Monday	
	79334	Measure and Integration	15-03-2022 Tuesday	

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

Branch Code- Mathematics (C.B.C.S.)				From April—2021
		Part II :- Sem.-IV		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I& III
	69567/ 63326/ 83058	Field Theory	22-02-2022 Tuesday	02.30. p.m. To 03.30 p.m.
	83057	Integral Equations	10-03-2022 Thursday	10.30 a.m. to 11.30 a.m.
Paper No. – XVIII, XIX & XX – Choose any Three of the following				
	83059	Algebraic Number Theory	05 -03-2022 Saturday	10.30 a.m. to 11.30 a.m.
	83060	Operations Research –II	04-03-2022 Friday	
	83061	Fuzzy Mathematics-II	28-02-2022 Monday	
	83062	Computational Fluid Dynamics	03-03-2022 Thursday	
	83063	Fractional Differential Equations	24-02-2022 Thursday	
	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 Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.)				(Revised From April-2019)
		Part I :- Sem.-II		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-I & II
I	71460	Functional Analysis	14-03-2022 Monday	10.30 a.m. to 11.30 a.m.
II	71461	Algebra	12-03-2022 Saturday	12.30 p.m. to 01.30 p.m.
IV	71464	Operating Systems	17-03-2022 Thursday	
V	71463	Data Structures Using-C	15-03-2022 Tuesday	
III	71462	Discrete Mathematical Structures-II	16-03-2022 Wednesday	

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

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

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

Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) From Oct-2020				
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-II & III
I	79483	Real Analysis	10-03-2022 Thursday	02.30.p.m. to 03.30. p. m.
II	79884	Operation Research	04-03-2022 Friday	From 12.30 p.m. to 01.30 p.m.
IV	79485	DAA-II	05 -03-2022 Saturday	
V	79486	PHP With MySQL	07-03-2022 Monday	
VI	79487	Java Programming	08-03-2022 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 :- Sem.-V				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Session-IV
I	67980	Compiler Techniques	22-03-2022 Tuesday	From 04.30 p.m. to 05.30 p.m.
II	67981	Software Engineering	23-03-2022 Wednesday	
III	67982	Computer Networks	24-03-2022 Thursday	
IV	67983	Computer Graphics	25-03-2022 Friday	
Paper No. V- Choose any One of the following				
	67984	Web Technology	26-03-2022 Saturday	From 04.30 p.m. to 05.30 p.m.
	67985	PHP with MySQL		
	67986	Android Programming		
	67987	Advanced Java		

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

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
I	81119	Advanced Web Technology	22-03-2022 Tuesday	From 04.30 p.m. to 05.30 p.m.
II	81120	Software Engineering	23-03-2022 Wednesday	
III	81121	Computer Networks	24-03-2022 Thursday	
IV	81122	Cyber Security	25-03-2022 Friday	
Paper No. V- Choose any One of the following				
	81123	Compiler Techniques	26-03-2022 Saturday	From 04.30 p.m. to 05.30 p.m.
	81124	Linux Operating System		
	81125	Android Programming		
	81126	Machine Learning		

Sd/-

**Vidyanagar,
Kolhapur – 416 004
Date :- 25 Jan 2022**

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