



SHIVAJI UNIVERSITY KOLHAPUR

Circular No. (228) Winter Session Offline Exam of Oct/Nov.-2022 to be held January-2023.

Draft Programme of the M.Sc. Part-II (Sem.- III & IV) CBCS Course Code-2341 & 205 Physics, Mathematics, Statistics, Applied Statistics & Informatics, Environmental Science, Food Science & Technology, Food Science and Nutrition, Alcohol Technology & Sugar Technology, Medical Information & Management, Embedded Technology, Course Code-412 M.A/M.Sc. Geography & Course Code-252 M.Sc. Tech. (Maths) Sem.-III to V Examination Oct/Nov.-2022 to be held January-2023.

INSTRUCTIONS-Common instruction as per Circular No. SU/Appointment/RVC/29

Dated 01/02/2020 and also available in University website www.unishivaji.ac.in

The Written Examination will be held at following center and Places declared:-

Sr. No	Exam	College Code	Places
1	M.sc Physics	264	Department of Physics, Shivaji University Kolhapur
2	M.Sc. Mathematics		Department of Mathematics, Shivaji University Kolhapur
3	M.A./M.Sc. Mathematics		Department of Distance Education, Kolhapur
4	M..Sc. Statistics M..Sc. Applied Statistics and Informatics		Department of Statistics, Shivaji University Kolhapur
5	M..Sc. Environmental Science		Department of Environmental Science, Shivaji University Kolhapur
6	M..Sc. Food Science & Technology		Department of Food Science & Technology, Shivaji University Kolhapur
7	M.A./M..Sc. Geography		Department of Geography, Shivaji University Kolhapur
8	M.Sc. Medical Information & Management		Department of Microbiology Shivaji University Kolhapur
9	M.Sc. Physics, M.A./M.Sc. Mathematics	01	Vivekanand College, Kolhapur
10	M.A./M.Sc. Mathematics	50	Yashawantrao Chavan Warna Mahavidyalaya, WARNANAGAR
11	M. Sc Physics	48	Devchand College, ARJUNNAGAR
12	M.Sc. Food Science and Nutrition	256	College of Non-Conventional Vocation Courses for Women University Road, Kolhapur
13	M. Sc Physics	30	The New College Kolhapur
14	M.A./M.Sc. Mathematics	90	Karmveer Bhaurao Patil College, URUN – ISLAMPUR.

15	M.Sc. Acohol Technology M.Sc. Sugar Technology	444	Rajarambapu College of Sugar Technology, URUN-ISLAMPUR
16	M.Sc. Physics, M.Sc. Embedded Technology	78	Smt. Kasturabi Walchand College of Arts & Science, SANGLI.
17	M.Sc. Physics, M.A./M.Sc. Mathematics	80	Willingdon College, SANGLI
18	M.Sc. Physics	94	Raje Ramrao Mahavidyalaya, JATH
19	M.A./M. Sc. Geography, M. Sc Statistics	92	Padm. Bhushan Dr. Vasantodada Patil Mahavidyalaya, TASGAON
20	M.A./M. Sc. Geography M.Sc. Physics	84	Miraj Mahavidyalaya, Miraj
21	M.Sc. Physics	86	Balwant College. Vita Tal-Khanapur Dist- Sangli
22	M.A./M. Sc. Geography, Industrial Microbiology, M. Sc.. Statistics, M.A./M. Sc.. Mathematics,	156	Sadguru Gadage Maharaj College, KARAD
23	M.A./M. Sc. Geography	153	Mahila Mahavidyalaya,KARAD
24	M.A./M.Sc. Geography	259	Chhatrapati Shivaji College, SATARA
25	M.sc Physics, Statistics, M.A./M.Sc.. Mathematics	149	Yashwantrao Chavan Institute of Science, SATARA.
26	M.A./M.Sc. Geography	173	Raja Shripatrao Bhagawantrao Mahavidyalaya, AUNDH
27	M.A./M.Sc. Geography	162	D.P. Bhosale College ,Koregaon., KOREGAON
28	M. Sc .Statistics	32	Rajarshi Chhatrapati Shahu College, Kadamwadi Road, KOLHAPUR
29	M.A./M. Sc. Geography	145	Lal Bahadur Shastri College of Arts, Science and Commerce, 17, Malhar Peth, SATARA-415 002
30	M.A./M. Sc. Geography	157	Venutai Chavan College, Vidyanagar, KARAD-415 124 Tal-Karad, Dist-Satara

Branch Code - Physics (C.B.C.S.) From			Oct-2022		
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
IX	85428	Nuclear and Particle Physics	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.	
Choose Any One Of The Following Paper					
X	85441	Data Analysis and Statistical Software(DASF)	06-01-2023 Friday		
	85442	Numerical Computing Using MATLAB(NCU)			
	85443	Computational Programming using Mathematical (CP)			
	85444	Thin Film Deposition Technology(TFDT)			
Choose Any One Of The Following Paper					
XI	85429	The New Energy Technologies(TNET)	07-01-2023 Saturday		
	85430	Imperfection in Crystals(IIC)			
	85431	Thin Solid Films : Deposition And Properties(TSFDAP)			
	85432	Fundamentals of Plasma Physics (FOPP)			
	85433	Laser Physics(LP)			
	85434	Stellar Evolution : Birth Evolution and Death of the stars(SEBDS)			
Choose Any One Of The Following Paper					
XII	85435	Solar Thermal Devices (STD)	09-01-2023 Monday		
	85436	Properties Of Materials (POM)			
	85437	Astrophysics of the Sun (AOTS)			
	85438	Semi Conductor Physics(SP)			
	85439	Introduction to General Relativity-I			
	85440	Nonlinear Optics and Fiber optics(CTHND2)			

Branch Code - Physics (C.B.C.S.) From				Oct-2020
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
IX	80820	Nuclear and Particle Physics	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
Choose Any One Of The Following Paper				
X	81116	Data Analysis and Statistical Software(DASF)	06-01-2023 Friday	
	81117	Numerical Computing Using MATLAB(NCU)		
	81118	Computational Programming using Mathematical (CP)		
	81236	Thin Film Deposition Technology(TFDT)		
Choose Any One Of The Following Paper				
XI	81092	The New Energy Technologies(TNET)	07-01-2023 Saturday	
	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)	09-01-2023 Monday	
	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)		

Branch Code - PHYSICS (C.B.C.S.)			From-(March-2021)		
		Part II :- Semester IV			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning	
IX	83111	Experimental Techniques	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.	
Choose Any One of The Following Subject					
X	83221	Numerical Methods And Programming	06-01-2023 Friday		
	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	07-01-2023 Saturday		
	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	09-01-2023 Monday		
	83087	Nanostructured Materials			
	83088	Holography and Its Applications			
	83089	Ionospheric and Space Weather			
	83090	Semiconductor Devices			
	83091	Introduction to Quantum Field Theory			

Branch Code - STATISTICS (C.B.C.S.)				From Oct-2022
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
XI	85445	Asymptotic Inference	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.
Choose Any One of the Following				
XII	85449	Stochastic Processes	11-01-2023	
	85450	Functional Data Analysis	Wednesday	
Choose Any One of the Following				
XIII	85451	Data Mining	12-01-2023	
	85452	Artificial Intelligence	Thursday	
Choose Any One of the Following				
XIV	85453	Time Series Analysis	13-01-2023	
	85454	Statistical Ecology	Friday	
Choose Any One of the Following				
XV	85446	Multivariate Analysis	14-01-2023	
	85447	Bayesian Inference	Saturday	
	85448	Regression Analysis	16-01-2023 Monday	

Branch Code - STATISTICS (C.B.C.S.)				From Oct-2020
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
XI	80980	Asymptotic Inference	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.
Choose Any One of the Following				
XII	80983	Stochastic Processes	11-01-2023	
	80984	Functional Data Analysis	Wednesday	
Choose Any One of the Following				
XIII	80985	Data Mining	12-01-2023	
	80986	Artificial Intelligence	Thursday	
Choose Any One of the Following				
XIV	80987	Time Series Analysis	13-01-2023	
	80988	Statistical Ecology	Friday	
Choose Any One of the Following				
XV	80981	Multivariate Analysis	14-01-2023	
	80982	Bayesian Inference	Saturday	
	81347	Regression Analysis	16-01-2023 Monday	

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

(Course Code -205)

Branch Code - STATISTICS (C.B.C.S.)			From April-2021		
Part II :- Sem.-IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
XVI	83040	Generalized Linear Models	10-01-2023 Tuesday	02:30 P.M. To 05:30 P.M.	
Choose Any One of the Following					
XVII	83041	Survival Analysis	11-01-2023 Wednesday		
	83042	Actuarial statistics			
Choose Any One of the Following					
	83043	Biostatistics	12-01-2023 Thursday		
	83044	Econometrics			
Choose Any One of the Following					
	83039	Optimization techniques	13-01-2023 Friday		
	83175	Circular Data analysis			
Choose Any One of the Following					
	83045	Spatial data analysis	14-01-2023 Saturday		
	83046	Statistical quality control			

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

(Course Code -2341)

Branch Code - APPLIED STATISTICS& INFORMATICS (C.B.C.S.)			New From Oct-2022		
Part II :- Sem.-III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning	
X	85296	Data Base Management System	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.	
Choose Any One of the Following					
XI	85300	Stochastic Processes	11-01-2023 Wednesday		
	85301	Functional Data Analysis			
Choose Any One of the Following					
XII	85302	Data Mining	12-01-2023 Thursday		
	85303	Artificial Intelligence			
Choose Any One of the Following					
XIII	85304	Time Series Analysis	13-01-2023 Friday		
	85305	Statistical Ecology			
Choose Any One of the Following					
XIV	85297	Multivariate Analysis	14-01-2023 Saturday		
	85298	Bayesian Inference			
	85299	Regression Analysis	16-01-2023 Monday		

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

(Course Code -205)

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	Morning	
X	80591	Data Base Management System	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.	
Choose Any One of the Following					
XI	80594	Stochastic Processes	11-01-2023		
	80595	Functional Data Analysis	Wednesday		
Choose Any One of the Following					
XII	80596	Data Mining	12-01-2023		
	80597	Artificial Intelligence	Thursday		
Choose Any One of the Following					
XIII	80598	Time Series Analysis	13-01-2023		
	80599	Statistical Ecology	Friday		
Choose Any One of the Following					
XIV	80592	Multivariate Analysis	14-01-2023		
	80593	Bayesian Inference	Saturday		
	81347	Regression Analysis	16-01-2023 Monday		

M.Sc. APPLIED STATISTICS & INFORMATICS [C.B.C.S.] New Course Code -205)

Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.)				From April-2021	
Part II :- Sem.-IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
XVI	82941	Generalized Linear Models	10-01-2023 Tuesday	02:30 P.M. To 05:30 P.M.	
Choose Any One of the Following					
XVII	82942	Survival Analysis	11-01-2023		
	83042	Actuarial statistics	Wednesday		
Choose Any One of the Following					
XVIII	83238	Biostatistics	12-01-2023		
	82946	Econometrics	Thursday		
Choose Any One of the Following					
XIX	82939	Python for Data Science	13-01-2023 Friday		
Choose Any One of the Following					
XX	83045	Spatial data analysis	14-01-2023		
	82943	Statistical quality control	Saturday		

M.Sc. Environmental Science (C.B.C.S.)**(Course Code -2341)**

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)		from Oct 2022		
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
X	85355	Natural Resources and their Conservation	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
XI	85356	Environmental Statistics and Computer Applications	06-01-2023 Friday	
XII	85357	Environmental Policy and Legislation	07-01-2023 Saturday	
XIII	85358	Environmental Toxicology and Public Health	09-01-2023 Monday	

M.Sc. Environmental Science (C.B.C.S.)**(Course Code -205)**

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)		from Oct 2020		
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
X	80582	Natural Resources and their Conservation	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
XI	80583	Environmental Statistics and Computer Applications	06-01-2023 Friday	
XII	80584	Environmental Policy and Legislation	07-01-2023 Saturday	
XIII	80585	Environmental Toxicology and Public Health	09-01-2023 Monday	

M.Sc. Environmental Science (C.B.C.S.)**(Course Code -205)**

Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.)		From April-2021		
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
XIII	83050	Socio- Economic Aspects of Environment	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
XIV	83051	Environmental Hazards and Disaster Management	06-01-2023 Friday	
XV	83052	Environmental Planning and Management	07-01-2023 Saturday	
XVI	83053	Environmental Biotechnology	09-01-2023 Monday	

M.Sc. Medical Information Management [C.B.C.S.]**(Course Code -2341)**

Branch Code- Medical Information Management (C.B.C.S.)			From Oct--2022	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
IX	86550	Clinical Data Management-II	15-02-2023 Wednesday	02:30 P.M. To 05:30 P.M.
X	86551	Clinical Quality Management-II	16-02-2023 Friday	
XI	86552	Project Management and Project Presentation	17-02-2023 Saturday	
XII	86553	Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology.	20-02-2023 Monday	

M.Sc. Medical Information Management [C.B.C.S.]**(Course Code -205)**

Branch Code- Medical Information Management (C.B.C.S.)			From Oct--2020	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
IX	81112	Clinical Data Management-II	15-02-2023 Wednesday	02:30 P.M. To 05:30 P.M.
X	81113	Clinical Quality Management-II	16-02-2023 Friday	
XI	81114	Project Management and Project Presentation	17-02-2023 Saturday	
XII	81115	Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology.	20-02-2023 Monday	

M.Sc. Food Science & Technology [C.B.C.S.]**(Course Code -2341)**

Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.)			From Oct-2022	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
IX	85359	Technology of Meat, Fish and Poultry Products	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
X	85360	Technology of Milk and Milk Products	06-01-2023 Friday	
XI	85361	Food Quality and Safety Management	07-01-2023 Saturday	
XII	85362	Food Additives, Contaminants and Toxicology	09-01-2023 Monday	

M.Sc. Food Science & Technology [C.B.C.S.]**(Course Code -205)**

Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.)				From Oct-2020
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
IX	80990	Technology of Meat, Fish and Poultry Products	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
X	80991	Technology of Milk and Milk Products	06-01-2023 Friday	
XI	80993	Food Quality and Safety Management	07-01-2023 Saturday	
XII	80992	Food Additives, Contaminants and Toxicology	09-01-2023 Monday	

M.Sc. Food Science & Technology [C.B.C.S.]**(Course Code -205)**

Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.)				From April-2021
Part II :- Sem.-IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
XIII	82952	Food Packaging	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
XIV	82949	Technology of Oilseeds & Fats	06-01-2023 Friday	
XV	82950	Food Biotechnology	07-01-2023 Saturday	
XVI	82951	Post-Harvest Technology of Plantation Crops	09-01-2023 Monday	

M.Sc. Alcohol Technology (C.B.C.S.) New**(Course Code -2341)**

Branch Code - Alcohol Technology (C.B.C.S.)				(From Oct-2022)
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
IX	85279	Alcohol Technology-III	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
X	85280	Industrial Microbiology	06-01-2023 Friday	
XI	85278	Chemical Engineering	07-01-2023 Saturday	
Paper No. XII	Paper No. XII :- Choose Any One of the Following Papers		09-01-2023 Monday	
	85283	Industrial Waste Water Treatment		
	85281	Pollution Prevention and Control		
	85282	Sugar Technology		

M.Sc. Alcohol Technology (C.B.C.S.) New**(Course Code -205)**

Branch Code - Alcohol Technology (C.B.C.S.)			(From Oct-2021)	
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
IX	83795	Alcohol Technology-III	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
X	83796	Industrial Microbiology	06-01-2023 Friday	
XI	83797	Chemical Engineering	07-01-2023 Saturday	
Paper No. XII	Paper No. XII :- Choose Any One of the Following Papers			
	83798	Industrial Waste Water Treatment	09-01-2023 Monday	
	83799	Pollution Prevention and Control		
	83800	Sugar Technology		

M.Sc. Alcohol Technology (C.B.C.S.) New**(Course Code -205)**

Branch Code - Alcohol Technology (C.B.C.S.)			(From March-2022)	
Part II - Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
XIII	85101	Alcohol Technology-IV	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
XIV	85102	Alcohol Technology-V	06-01-2023 Friday	
XV	85103	Industrial Fermentation-II	07-01-2023 Saturday	
Paper No. XVI	Paper No. IV :- Choose Any One of the Following Papers			
	85104	General Engineering	09-01-2023 Monday	
	85105	Business management & Marketing		
	85106	Energy conversion and co generation		

M.Sc. Sugar Technology (C.B.C.S.) New**(Course Code -2341)**

Branch Code - Sugar Technology (C.B.C.S.)				(From Oct-2022)	
		Part II - Sem III			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
IX	85456	Equipments Capacity Calculation(ECC)	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.	
X	85457	Allied sugar manufacturing	06-01-2023 Friday		
XI	85458	Chemical Engineering-Heat & Material Transfer(CEHMT)	07-01-2023 Saturday		
Paper No.XII	Paper No. XII :- Choose Any One of the Following Papers				
	85459	Alcohol Technology(ALCOTECH)	09-01-2023 Monday		
	85461	Bio-Chemical Engineering(BCE)			
	85460	Electronics and Instrument Engineering(EIE)			

M.Sc. Sugar Technology (C.B.C.S.) New**(Course Code -205)**

Branch Code - Sugar Technology (C.B.C.S.)				(From Oct-2021)	
		Part II - Sem III			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
IX	83802	Equipments Capacity Calculation(ECC)	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.	
X	83803	Allied sugar manufacturing	06-01-2023 Friday		
XI	83804	Chemical Engineering-Heat & Material Transfer(CEHMT)	07-01-2023 Saturday		
Paper No.XII	Paper No. XII :- Choose Any One of the Following Papers				
	83805	Alcohol Technology(ALCOTECH)	09-01-2023 Monday		
	83806	Bio-Chemical Engineering(BCE)			
	83807	Electronics and Instrument Engineering(EIE)			

M.Sc. Sugar Technology (C.B.C.S.) New**(Course Code -205)**

Branch Code - Sugar Technology (C.B.C.S.)			(From-March-2022)	
Part II - Sem IV				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
XIII	85095	Advance Sugar Technology and Engineering	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
XIV	85094	Allied Co Product Manufacturing	06-01-2023 Friday	
XV	95096	Chemical Engineering	07-01-2023 Saturday	
Paper No. XVI	Paper No. IV :- Choose Any One of the Following Papers			
	85097	Energy Conversion and Co-generation	09-01-2023 Monday	
	85098	Pollution Prevention and Control		
	85099	Water Management and Zero Discharge		

M.Sc. Food Science & Nutrition [C.B.C.S.]**(Course Code -2341)**

Branch Code- Food Science & Nutrition C.B.C.S.)			From Oct-2022	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
IX	86326	Research Methodology & Biostatistics	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
X	86327	Processing of Milk and Milk Products	06-01-2023 Friday	
XI	86328	Food Additives, Contaminants and Toxicology	07-01-2023 Saturday	
XII	86329	Clinical Nutrition	09-01-2023 Monday	

M.Sc. Embedded Technology [C.B.C.S.]**(Course Code -2341)**

Branch Code- Embedded Technology (C.B.C.S.)			From Oct-2022	
Part II :- Sem.-III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening
IX	86336	Wireless Sensor Network	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
X	86337	Programming with Python	06-01-2023 Friday	
XI	86338	ARM Microcontroller and Embedded System Desing	07-01-2023 Saturday	

M.A./M.Sc. Geography [C.B.C.S.]**(Course code-New 412)**

Branch Code - GEOGRAPHY (C.B.C.S.)		(From Oct-2022)		
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
V	86194	Geohydrology and Oceanography	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.
VI	86195	Fundamentals of Remote Sensing and Digital Image Processing	11-01-2023 Wednesday	
Choose Any One of the Following Papers				
VII	86198	Geography of Environment	12-01-2023 Thursday	
	86199	Biogeography		
Choose Any One of the Following Papers				
VIII	86201	Settlement Geography	13-01-2023 Friday	
	86202	Geography of India		
	86203	Political Geography		

M.A./M.Sc. Geography [C.B.C.S.]**(Course code-412)**

Branch Code - GEOGRAPHY (C.B.C.S.)		(From Oct-2020)		
Part II - Sem III				
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning
V	81148	Geohydrology and Oceanography	10-01-2023 Tuesday	10:30 A.M. To 01:30 P.M.
VI	81149	Fundamentals of Remote Sensing and Digital Image Processing	11-01-2023 Wednesday	
Choose Any One of the Following Papers				
VII	81150	Geography of Environment	12-01-2023 Thursday	
	81151	Biogeography		
Choose Any One of the Following Papers				
VIII	81152	Settlement Geography	13-01-2023 Friday	
	81153	Geography of India		
	81154	Political Geography		

Branch Code- Geography (C.B.C.S.)			From April--2021		
Part II :- Sem.-IV					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
IX	82982	Development of Modern Geographical Thought	10-01-2023 Tuesday	02:30 P.M. To 05:30 P.M.	
X	82983	Regional Planning and Development	11-01-2023 Wednesday		
Choose Any One Of The Following Papers					
XI	82984	Fundamentals and Application of GIS and GPS	12-01-2023 Thursday		
	82985	Fundamental of Soil Geography			
Choose Any One Of The Following Papers					
XII	82986	Agricultural Geography	13-01-2023 Friday		
	82987	Tourism Geography			
	82988	Geography of Health and Nutrition			

Branch Code - M.A/M.Sc. Mathematics (C.B.C.S.)			From March-2022		
Part II - Sem III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning	
XI	85386	Real Analysis	02-01-2023 Monday	10:30 A.M. To 01:30 P.M.	
Any one of the following					
XII	85387	Advanced Discrete Mathematics	04-01-2023 Wednesday		
	85388	Topological Vector Spaces			
XIII, XIV & XV Any Three of the following Papers					
	85395	Lattice Theory – I	03-01-2023 Tuesday		
	85390	Operations Research – I	05-01-2023 Thursday		
	85389	Number Theory	06-01-2023 Friday		
	85397	Dynamical Systems – I	07-01-2023 Saturday		
	85392	Fluid Dynamics	09-01-2023 Monday		
	85394	General Relativity – I	10-01-2023 Tuesday		
	85393	Fractional Calculus	11-01-2023 Wednesday		
	85396	Approximation Theory	12-01-2023 Thursday		
	85391	Fuzzy Mathematics –I	13-01-2023 Friday		
	85398	Graph Theory-I	14-01-2023 Saturday		
	85399	Differential Geometry	16-01-2023 Monday		
	85400	Combinatorics	17-01-2023 Tuesday		
	85405	Probability and Stochastic Processes	18-01-2023 Wednesday		
	85401	Commutative Algebra - I	19-01-2023 Thursday		
	85402	Space Dynamics- I	20-01-2023 Friday		
	85403	Theory of Computation	21-01-2023 Saturday		
	85404	Algebraic Topology	23-01-2023 Monday		

Branch Code - M.A/M.Sc. Mathematics (C.B.C.S.)			From March-2020		
Part II - Sem III					
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Morning	
XI	80960	Real Analysis	02-01-2023 Monday	10:30 A.M. To 01:30 P.M.	
Any one of the following					
XII	63304/79322/ 80961	Advanced Discrete Mathematics	04-01-2023 Wednesday		
	80962	Topological Vector Spaces			
XIII, XIV & XV Any Three of the following Papers					
	80969	Lattice Theory – I	03-01-2023 Tuesday		
	80964/ 63316	Operations Research – I	05-01-2023 Thursday		
	80963/ 63307	Number Theory	06-01-2023 Friday		
	80971	Dynamical Systems – I	07-01-2023 Saturday		
	80966	Fluid Dynamics	09-01-2023 Monday		
	80968	General Relativity – I	10-01-2023 Tuesday		
	80967	Fractional Calculus	11-01-2023 Wednesday		
	80970	Approximation Theory	12-01-2023 Thursday		
	80965/ 63314	Fuzzy Mathematics –I	13-01-2023 Friday		
	80972	Graph Theory-I	14-01-2023 Saturday		
	80973	Differential Geometry	16-01-2023 Monday		
	80974	Combinatorics	17-01-2023 Tuesday		
	80979	Probability and Stochastic Processes	18-01-2023 Wednesday		
	80975	Commutative Algebra - I	19-01-2023 Thursday		
	80976	Space Dynamics- I	20-01-2023 Friday		
	80977	Theory of Computation	21-01-2023 Saturday		
	80978	Algebraic Topology	23-01-2023 Monday		

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

(Course Code- 205)

Branch Code- M.A/M.Sc. Mathematics (C.B.C.S.)		From April—2020			
		Part II :- Sem.-IV			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	Evening	
	69567/63326/83058	Field Theory	02-01-2023 Monday	02:30 P.M. To 05:30 P.M.	
	83057	Integral Equations	03-01-2023 Tuesday		
Paper No. – XVIII, XIX & XX – Choose any Three of the following					
	83074	Dynamics Equation on Time Scales	04-01-2023 Wednesday		
	83060	Operations Research –II	05-01-2023 Thursday		
	83061	Fuzzy Mathematics-II	06-01-2023 Friday		
	85475	Lattice Theory-II	07-01-2023 Saturday		
	83059	Algebraic Number Theory	09-01-2023 Monday		
	83073	Space Dynamics-II	10-01-2023 Tuesday		
	83066	Wavelet Analysis	11-01-2023 Wednesday		
	83062	Computational Fluid Dynamics	12-01-2023 Thursday		
	85253	Introduction to Cryptology	13-01-2023 Friday		
	85254	Advanced Algebra	14-01-2023 Saturday		
	83072	Commutative Algebra-II	16-01-2023 Monday		
	85474	General Relativity-II	17-01-2023 Tuesday		
	83063	Fractional Differential Equations	18-01-2023 Wednesday		
	85476	Dynamical Systems- II	19-01-2023 Thursday		
	85477	Graph Theory-II	20-01-2023 Friday		
	85478	Analysis on Manifolds	21-01-2023 Saturday		
	85481	Automatic Languages and computation	23-01-2023 Monday		
	85479	Theory of Distributions	24-01-2023 Tuesday		
	85480	Automata Theory	25-01-2023 Wednesday		

M.Sc. TECH (MATHEMATICS) (C.B.C.S.)**(Course Code- 252)**

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	Morning
XI	74024	Complex Analysis	07-01-2023 Saturday	10:30 A.M. To 01:30 P.M.
XII	74025	ODE	09-01-2023 Monday	
XIII	74026	DAA-I	16-01-2023 Monday	
V	74027	Database System	13-01-2023 Friday	
III	74028	Object Oriented Programming with C++	11-01-2023 Wednesday	

M.Sc. TECH (MATHEMATICS) (C.B.C.S.)**(Course Code- 252)**

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	Evening
I	79483	Real Analysis	05-01-2023 Thursday	02:30 P.M. To 05:30 P.M.
II	79884	Operation Research	06-01-2023 Friday	
IV	79485	DAA-II	07-01-2023 Saturday	
V	79486	PHP With My SQL	09-01-2023 Monday	
VI	79487	Java Programming	10-01-2023 Tuesday	

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

(Course Code- 252)

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	Morning
I	81119	Advanced Web Technology	05-01-2023 Thursday	10:30 A.M. To 01:30 P.M.
II	81120	Software Engineering	07-01-2023 Saturday	
III	81121	Computer Networks	09-01-2023 Monday	
IV	81122	Cyber Security	11-01-2023 Wednesday	
Paper No. V- Choose any One of the following				
	81123	Compiler Techniques	13-01-2023 Friday	
	81124	Linux Operating System		
	81125	Android Programming		
	81126	Machine Learning		

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

Sd/-

Vidyanagar,
Kolhapur – 416 004
Date :- 15 Dec. 2022

Dr. Ajitsinh. N. Jadhav
DIRECTOR
BOARD OF EXAMINATIONS AND EVALUATION