



SHIVAJI UNIVERSITY KOLHAPUR

Circular No.105 Summer Session Online March/April 2021 to be held in August/ September 2021 Revised 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.

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

M.Sc. Physics

| Branch Code- PHYSICS (C.B.C.S.) From Oct--2019 | | | | |
|--|-------------------|--------------------------|-------------------------|--|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74934 | Mathematical Physics | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| 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 | |

| Branch Code - Physics (C.B.C.S.) From April-2020 | | | | |
|--|-------------------|----------------------------|-------------------------|---|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| V | 79543 | Quantum Mechanics-II | 29-09-2021 Wednesday | From 04.30 p.m. to 05.30 p.m |
| 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

| Branch Code - Physics (C.B.C.S.) Old | | | From Oct-2019 | |
|--|-------------------|--|-------------------------|--|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| IX | 74677 | Nuclear and Particle Physics | 17-08-2021 Tuesday | From 12.30 p.m. to 01.30 p.m. |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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 | | |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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) | | |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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

| Branch Code - Physics (C.B.C.S.) From Oct-2020 | | | | |
|--|-------------------|---|-------------------------|--|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| | 80820 | Nuclear and Particle Physics | 17-08-2021 Tuesday | From 12.30 p.m. to 01.30 p.m. |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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) | | |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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) | | |
| Choose Any One Of The Following Paper | | | | From 12.30 p.m. to 01.30 p.m. |
| | 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

| Branch Code - PHYSICS (C.B.C.S.) | | From-(March-2020) | | |
|--|-------------------|--|-------------------------|---------------------------------|
| | | Part II :- Semester IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| X | 79340 | Experimental Techniques | 17-08-2021 Tuesday | 04.30. p.m. To 05.30 p.m. |
| Choose Any One of The Following Subject | | | | |
| | 68287 | Modern Analytical Techniques | 18-08-2021 Wednesday | 04.30. p.m. To 05.30 p.m. |
| | 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 | | | | |
| | 79344 | Renewable Energy Resources | 20-08-2021 Friday | 04.30. p.m. To 05.30 p.m. |
| | 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 | | | | |
| | 79345 | Energy Conversion Devices | 21-08-2021 Saturday | 04.30. p.m. To 05.30 p.m. |
| | 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-IV |
| X | 83111 | Experimental Techniques | 17-08-2021 Tuesday | 04.30. p.m. To 05.30 p.m. |
| Choose Any One of The Following Subject | | | | |
| | 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 | | |
| Choose Any One of The Following Subject | | | | |
| | 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 | | |
| Choose Any One of The Following Subject | | | | |
| | 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.]

| Branch Code- Statistics (C.B.C.S.) | | | From Oct--2019 | |
|--|-------------------|-----------------------|-------------------------|--|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74907 | Real Analysis | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| 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.]

| Branch Code – STATISTICS(C.B.C.S.) From April-2020 | | | | |
|--|-------------------|---|-------------------------|---------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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

| Branch Code - STATISTICS (C.B.C.S.) Old From Oct-2017 | | | | |
|---|-------------------|---|-------------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| | 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 | Tuesday 24-08-2021 | |
| Paper No. XIV & XV :- Choose Any Two of the Following Papers | | | | |
| | 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

| Branch Code - STATISTICS (C.B.C.S.) From Oct-2020 | | | | |
|---|-------------------|--------------------------|-------------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| XI | 80980 | Asymptotic Inference | Tuesday 17-08-2021 | 12.30. p.m. To 01.30 p.m. |
| Choose Any One of the Following | | | | 12.30. p.m. To 01.30 p.m. |
| XII | 80983 | Stochastic Processes | Wednesday 18-08-2021 | |
| | 80984 | Functional Data Analysis | | |
| Choose Any One of the Following | | | | 12.30. p.m. To 01.30 p.m. |
| XIII | 80985 | Data Mining | Friday 20-08-2021 | |
| | 80986 | Artificial Intelligence | | |
| Choose Any One of the Following | | | | 12.30. p.m. To 01.30 p.m. |
| XIV | 80987 | Time Series Analysis | Saturday 21-08-2021 | |
| | 80988 | Statistical Ecology | | |
| Choose Any One of the Following | | | | 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

| Branch Code - STATISTICS (C.B.C.S.) | | | From April-2018 | |
|---|-------------------|-----------------------------|-------------------------|----------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV & II |
| XVI | 71107 | Optimization Techniques(OT) | 21-08-2021 Saturday | 04.30. p.m. To 05.30 p.m.. |
| Paper No. XVII & XX :- Choose Any Four of the Following Papers | | | | |
| | 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

| Branch Code - STATISTICS (C.B.C.S.) | | | From April-2021 | |
|---|-------------------|-----------------------------|-------------------------|----------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| XVI | 83040 | Generalized Linear Models | 17-08-2021 Tuesday | 04.30. p.m. To 05.30 p.m.. |
| Choose Any One of the Following | | | | |
| XVII | 83041 | Survival Analysis | 18-08-2021 Wednesday | 04.30. p.m. To 05.30 p.m.. |
| | 83042 | Actuarial statistics | | |
| Choose Any One of the Following | | | | |
| | 83043 | Biostatistics | 20-08-2021 Friday | 04.30. p.m. To 05.30 p.m.. |
| | 83044 | Econometrics | | |
| Choose Any One of the Following | | | | |
| | 83039 | Optimization techniques | 21-08-2021 Saturday | 04.30. p.m. To 05.30 p.m.. |
| | 83175 | Circular Data analysis | | |
| Choose Any One of the Following | | | | |
| | 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

| Branch Code- Applied Statistics & Informatics (C.B.C.S.) | | | From Oct--2019 | |
|--|-------------------|--------------------------------------|-------------------------|--|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74974 | Fundamentals Of Computer Programming | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| 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

| 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-IV |
| 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

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.)Old From Oct-2019 | | | | |
|--|-------------------|---|-------------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II & IV |
| 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 | Tuesday 24-08-2021 | |
| XIII | 74596 | Design And Analysis Of Sample Surveys | 24-08-2021 Tuesday | |
| Choose Any One of the Following Papers | | | | 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

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

| 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-II & IV |
| XV | 79378 | Optimization Techniques | 21-08-2021 Saturday | 04.30. p.m. To 05.30 p.m.. |
| XVI | 79379 | Python for Data Science | 24-08-2021 Tuesday | |
| Choose Any Three of the Following Papers (Paper No-XVII to XX) | | | | |
| | 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

| 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-IV |
| XVI | 82941 | Generalized Linear Models | 17-08-2021 Tuesday | 04.30. p.m. To 05.30 p.m.. |
| Choose Any One of the Following | | | | |
| XVII | 82942 | Survival Analysis | 18-08-2021 Wednesday | 04.30. p.m. To 05.30 p.m.. |
| | 83042 | Actuarial statistics | | |
| Choose Any One of the Following | | | | |
| XVIII | 83238 | Biostatistics | 20-08-2021 Friday | 04.30. p.m. To 05.30 p.m.. |
| | 82946 | Econometrics | | |
| Choose Any One of the Following | | | | |
| XIX | 82939 | Python for Data Science | Tuesday 24-08-2021 | 04.30. p.m. To 05.30 p.m.. |
| Choose Any One of the Following | | | | |
| XX | 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

| Branch Code- Environmental Science (C.B.C.S.) | | | From Oct-2019 | |
|---|-------------------|--|-------------------------|--|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74901 | Introduction To Environmental Science | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| 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 | From 12.30 p.m. to 01.30 p.m. |
| 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 | From 12.30 p.m. to 01.30 p.m. |
| 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

| Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | From April-2015 | |
|---|------------|---|-------------------------|----------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| XIII | 65019 | Socio- Economic Aspects of Environment | 25-08-2021 Wednesday | 04.30. p.m. To 05.30 p.m.. |
| XIV | 65020 | Environmental Hazards and Disaster Management | 26-08-2021 Thursday | |
| XV | 65021 | Environmental Planning and Management | 27-08-2021 Friday | |
| XVI | 65022 | Environmental Biotechnology | 28-08-2021 Saturday | |

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-IV |
| XIII | 83050 | Socio- Economic Aspects of Environment | 25-08-2021 Wednesday | 04.30. p.m. To 05.30 p.m.. |
| XIV | 83051 | Environmental Hazards and Disaster Management | 26-08-2021 Thursday | |
| XV | 83052 | Environmental Planning and Management | 27-08-2021 Friday | |
| XVI | 83053 | Environmental Biotechnology | 28-08-2021 Saturday | |
| XVII | 83056 | Vermicomposting | 30-08-2021 Monday | |

M.Sc. Food Science & Technology

| Branch Code- Food Science& Technology (C.B.C.S.) | | | From Oct-2019 | |
|---|------------|--|-------------------------|--|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74919 | Principles Of Food Processing & Preservation | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| II | 74920 | Food Microbiology | 30-09-2021 Thursday | |
| III | 74921 | Food Chemistry | 01-10-2021 Friday | |
| IV | 74922 | Biochemistry And Nutrition | 04-10-2021 Monday | |

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-IV |
| 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

| Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) From Oct-2014 | | | | |
|---|-------------------|---|-------------------------|--|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| IX | 64191 | Technology of Meat, Fish & Poultry Products | 25-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| 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

| 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-II |
| | 80990 | Technology of Meat, Fish and Poultry Products | 25-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m. |
| | 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

| 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-IV |
| 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 | From 12.30 p.m. to 01.30 p.m |
| 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 | From 12.30 p.m. to 01.30 p.m |
| 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

| Branch Code - Alcohol Technology (C.B.C.S.) | | | <u>(From Oct-2017)</u> | |
|--|-------------------|-------------------------|-------------------------------|--------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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

| 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-IV |
| 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.)

| 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-II |
| I | 68636 | Alcohol Technology-III | 11-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| II | 68637 | Microbiology III | 12-08-2021 Thursday | |
| III | 68638 | Fermentation Technology-III | 13-08-2021 Friday | |
| Paper No. IV | Paper No. IV :- Choose Any One of the Following Papers | | | From 12.30 p.m. to 01.30 p.m |
| | 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.)

| Branch Code - Alcohol Technology (C.B.C.S.) | | | (From Oct-2018) | |
|--|---|---|-------------------------|--------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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 | |
| Paper No.IV | Paper No. IV :- Choose Any One of the Following Papers | | | 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

| Branch Code- Sugar Technology (C.B.C.S.) | | | From May--2017 | |
|--|-------------------|--------------------------------|-------------------------|---|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 68608 | Sugar Cane Agriculture | 28-09-2021 Tuesday | From 12.30 p.m. to 01.30 p.m |
| 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

| Branch Code- Sugar Technology (C.B.C.S.) | | | From Oct--2020 | |
|--|-------------------|--|-------------------------|---|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 81087 | Sugar Cane Agriculture | 28-09-2021 Tuesday | From 12.30 p.m. to 01.30 p.m |
| 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

| Branch Code - Sugar Technology (C.B.C.S.) | | | (From Oct-2017) | |
|--|-------------------|---|-------------------------|--------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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

| 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) | 28-09-2021 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.)

| Branch Code - Sugar Technology (C.B.C.S.) | | | (From March-2018) | |
|--|---|--|--------------------------|---------------------------------------|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 68620 | Equipments Capacity Calculation(ECC) | 11-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| II | 68621 | Sugar Processing-Crystallzation(SPC) | 12-08-2021 Thursday | |
| III | 68622 | Chemical Engineering-Heat & Momentum Transfer(CEHMT) | 13-08-2021 Friday | |
| Paper No.IV | Paper No. IV :- Choose Any One of the Following Papers | | | From 12.30 p.m. to 01.30 p.m |
| | 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.)

| 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 | 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 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | | 04.30. p.m. To 05.30 p.m |
| | 68631 | Energy Conversion and Cogeneration | 14-08-2021 Saturday | |
| | 68632 | Pollution Prevention and Control | | |
| | 68633 | Water Management and Zero Discharge | | |

M.Sc. Medical Information Management

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

| Branch Code- Medical Information Management | | | | From Oct--2019 |
|--|------------|---|-------------------------|---|
| | | 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 | From 12.30 p.m. to 01.30 p.m |
| 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 | |

| 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-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.]

| 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-II |
| IX | 81112 | Clinical Data Management-II | 11-08-2021 Wednesday | 12.30 p.m. to 01.30 p.m |
| 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.]

| Branch Code- Medical Information Management (C.B.C.S.) | | | From April--2021 | |
|--|-------------------|--|-------------------------|--------------------------------|
| Part II:- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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.]

| Brnch Code- Geography (C.B.C.S.) | | | From Oct--2019 | |
|--|-------------------|--|-------------------------|---|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 74960 | Fundamentals of Geomorphology | 29-09-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| 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.]

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | (From April-2020) | |
|--|-------------------|--|--------------------------|--------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | (From Oct-2019) | |
|---|-------------------|---|-------------------------|---|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-III |
| | 74016 | Geohydrology and Oceanography | 11-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| | 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 | |
| Choose Any One of the Following Papers | | | | From 12.30 p.m. to 01.30 p.m |
| VII | 74018 | Geography of Environment | 17-08-2021 Tuesday | |
| | 74019 | Biogeography | | |
| Choose Any One of the Following Papers | | | | From 12.30 p.m. to 01.30 p.m |
| VIII | 74020 | Settlement Geography | 18-08-2021 Wednesday | |
| | 74021 | Advance Cartography and Surveying | | |

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 | 11-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| VI | 81149 | Fundamentals of Remote Sensing and Digital Image Processing | 12-08-2021 Thursday | |
| Choose Any One of the Following Papers | | | | From 12.30 p.m. to 01.30 p.m |
| VII | 81150 | Geography of Environment | 17-08-2021 Tuesday | |
| | 81151 | Biogeography | | |
| Choose Any One of the Following Papers | | | | From 12.30 p.m. to 01.30 p.m |
| 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

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | From April-2020 |
|---|-------------------|--|-------------------------|--------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| 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 | |
| Choose Any One Of The Following Papers | | | | 04.30. p.m. To 05.30 p.m |
| XI | 79493 | Tourism Geography | 13-08-2021 Friday | |
| | 79494 | Agricultural Geography | | |
| Choose Any One Of The Following Papers | | | | 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

| Brnch Code- Geography (C.B.C.S.) | | | From April--2021 | |
|---|-------------------|---|-------------------------|--------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| | 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 | |
| Choose Any One Of The Following Papers | | | | |
| | 82984 | Fundamentals and Application of GIS and GPS | 14-08-2021 Saturday | |
| | 82985 | Fundamental of Soil Geography | | |
| Choose Any One Of The Following Papers | | | | |
| | 82986 | Agricultural Geography | 13-08-2021 Friday | |
| | 82987 | Tourism Geography | | |
| | 82988 | Geography of Health and Nutrition | | |
| Choose Any One Of The Following Papers | | | | |
| | 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— |
|--------------------------------------|-----------------|---------------------------------|-------------------------|--|
| 2019 | | | | |
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| I | 71415/ 59828 | Advance Calculus | 29-09-2021 Wednesday | 12.30 p.m. to 01.30 p.m. |
| 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

| Branch Code - Mathematics (C.B.C.S.) | | | (From April-2020) | |
|---|-------------------|---------------------------|--------------------------|--------------------------------|
| | | Part II - Sem III | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| XI | 59829/ 73976 | Real Analysis | 02-09-2021 Thursday | 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 |
| XIII, XIV & XV Any Three of the following Papers | | | | 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/ 80967 | 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

| Branch Code - Mathematics (C.B.C.S.) | | | (From Oct-2020) | |
|---|---------------------------|--------------------------------------|-------------------------|--------------------------------|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| XI | 80960 | Real Analysis | 11-08-2021 Wednesday | 12.30. p.m. To 01.30 p.m |
| Any one of the following | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| XII | 63304/ 79322/ 80961 | Advanced Discrete Mathematics | 04-09-2021 Saturday | 04.30. p.m. To 05.30 p.m |
| | 80962 | Topological Vector Spaces | | |
| XIII, XIV & XV Any Three of the following Papers | | | | |
| | 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 | |

| Branch Code - MATHEMATICS (C.B.C.S.) Old (From April-2020) | | | | |
|--|-------------------|-----------------------------------|-------------------------|--------------------------------|
| Part II :- SEM-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| XVI | 79322 | Advance Discrete Mathematics | 04-09-2021 Saturday | 04.30. p.m. To 05.30 p.m |
| XVII | 63336/ 79321 | Integral Equation | 03-09-2021 Friday | |
| Paper No. – XVIII, XIX & XX – Choose any Three of the following | | | | 04.30. p.m. To 05.30 p.m |
| | 79476 | Dynamics Equations on Time Scales | 13-08-2021 Friday | 12.30 p.m. To 01.30 p.m |
| | 63335/ 79327 | Fractional Differential Equations | 20-08-2021 Friday | |
| | 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

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

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

| Branch Code- Tech. Mathematics (C.B.C.S.) | | | | |
|---|-------------------|------------------------------------|-------------------------|--|
| From Oct--2018 | | | | |
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| V | 71453 | Advanced Calculus | Wednesday 29-09-2021 | From 12.30 p.m. to 01.30 p.m. |
| 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

| 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-IV |
| I | 71460 | Functional Analysis | Wednesday 29-09-2021 | From 04.30 p.m. to 05.30 p.m. |
| 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.)

| 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-II |
| I | 74024 | Complex Analysis | 01-10-2021 Friday | From 12.30 p.m. to 01.30 p.m. |
| II | 74025 | ODE | 05-10-2021 Tuesday | |
| 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

| Branch Code | | - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) | | From April-2016 |
|---------------------------|-------------------|---|-------------------------|--|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-IV |
| I | 67155 | Functional Analysis | Wednesday 29-09-2021 | From 04.30 p.m. to 05.30 p.m. |
| 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 | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session-II |
| II | 67156 | Differential Equations | 05-10-2021 Tuesday | 12.30. p.m. To 01.30 p.m |

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-IV |
| I | 79483 | Real Analysis | 02-09-2021 Thursday | From 04.30 p.m. to 05.30 p.m. |
| 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

| 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-II |
| I | 67980 | Compiler Techniques | 25-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| II | 67981 | Software Engineering | 26-08-2021 Thursday | |
| III | 67982 | Computer Networks | 27-08-2021 Friday | |
| IV | 67983 | Computer Graphics | 28-08-2021 Saturday | |
| Paper No. V- Choose any One of the following | | | | |
| | 67984 | Web Technology | 30-08-2021 Monday | From 12.30 p.m. to 01.30 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-II |
| I | 81119 | Advanced Web Technology | 25-08-2021 Wednesday | From 12.30 p.m. to 01.30 p.m |
| II | 81120 | Software Engineering | 26-08-2021 Thursday | |
| III | 81121 | Computer Networks | 27-08-2021 Friday | |
| IV | 81122 | Cyber Security | 28-08-2021 Saturday | |
| Paper No. V- Choose any One of the following | | | | |
| | 81123 | Compiler Techniques | 30-08-2021 Monday | From 12.30 p.m. to 01.30 p.m |
| | 81124 | Linux Operating System | | |
| | 81125 | Android Programming | | |
| | 81126 | Machine Learning | | |

**Vidyanagar,
Kolhapur – 416 004
Date :- 07 August 2021**

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