



SHIVAJI UNIVERSITY KOLHAPUR

Circular No. (137) Summer Session Offline Exam of March/April-2023 to be held in June-2023.

Draft Programme of the M.Sc. Part-I (Sem.- I & II) NEP-2020 Course Code-2353 & M.Sc. Part-I & II (Sem. -I to Sem.- IV) CBCS Corse code- 2341 & 205 Physics, Statistics, Applied Statistics & Informatics, Environmental Science, Food Science & Technology, Food Science and Nutrition, Alochol Technology & Sugar Technology, Medical Information & Management, Embedded Technology, Information Technology , Data Science.

M.A/M.Sc. Geography Part-I (Sem.- I & II) NEP-2020 Course Code-4464 & M.A/M.Sc. Geography (Sem. -I to Sem.- IV) CBCS Corse code- 412 & new course code-412Examination March/April-2023 to be held in June-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 M.Sc. Tech. (Industrial Mathematics with Computer Application) | | Department of Mathematics, Shivaji University Kolhapur |
| 3 | M..Sc. Statistics M..Sc. Applied Statistics and Informatics | | Department of Statistics, Shivaji University Kolhapur |
| 4 | M..Sc. Environmental Science | | Department of Environmental Science, Shivaji University Kolhapur |
| 5 | M..Sc. Food Science & Technology | | Department of Food Science & Technology, Shivaji University Kolhapur |
| 6 | M.A./M..Sc. Geography | | Department of Geography, Shivaji University Kolhapur |
| 7 | M.Sc. Medical Information & Management | | Department of Microbiology Shivaji University Kolhapur |
| 8 | M.A./M.Sc. Mathematics | 197 | Department of Distance Education, 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 M.A./M.Sc. Mathematics | 30 | The New College Kolhapur |
| 14 | M.A./M.Sc. Mathematics M.A./M. Sc. Geography M.Sc. Information Technology | 90 | Karmveer Bhaurao Patil College, URUN –ISLAMPUR. |
| 15 | M.Sc. Alochol Technology M.Sc. Sugar Technology | 444 | Rajarambapu College of Sugar Technology, URUN-ISLAMPUR |

| | | | |
|----|--|-----|--|
| 16 | M.Sc. Physics, M.Sc. Embedded Technology M.Sc. Data Science | 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. Vasantraodada 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, Tal-Karad, Dist-Satara KARAD-415 124 |

| M.Sc. PHYSICS [NEP-2020] | | | | (Course Code -2353) |
|----------------------------------|------------|--------------------------|------------------------|------------------------------------|
| Branch Code- PHYSICS (NEP-2020) | | | | From Oct--2022 |
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87859 | Mathematical Physics | 16-06-2023 Friday | 02.30 pm To 05.30 pm |
| II | 87860 | Classical Mechanics | 17-06-2023 Saturday | |
| III | 87861 | Quantum Mechanics-I | 19-06-2023 Monday | |
| IV | 87862 | Condensed Matter Physics | 20-06-2023 Tuesday | |

| M.Sc. PHYSICS[C.B.C.S.] | | | | (Course Code -2341) |
|----------------------------------|------------|--------------------------|------------------------|------------------------------------|
| Branch Code- PHYSICS (C.B.C.S.) | | | | From Oct--2019 |
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83502 | Mathematical Physics | 16-06-2023 Friday | 02.30 pm To 05.30 pm |
| II | 83503 | Classical Mechanics | 17-06-2023 Saturday | |
| III | 83504 | Quantum Mechanics-I | 19-06-2023 Monday | |
| IV | 83505 | Condensed Matter Physics | 20-06-2023 Tuesday | |

M.Sc. PHYSICS[C.B.C.S.]**(Course Code- 205)****Branch Code- PHYSICS (C.B.C.S.)****From Oct--2018**

| | | Part I :- Sem.-I | | |
|-----------|------------|--------------------------|------------------------|---|
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74934 | Mathematical Physics | 16-06-2023 Friday | 02.30 pm To 05.30 pm |
| II | 74935 | Classical Mechanics | 17-06-2023 Saturday | |
| III | 74936 | Quantum Mechanics-I | 19-06-2023 Monday | |
| IV | 74937 | Condensed Matter Physics | 20-06-2023 Tuesday | |

M.Sc. PHYSICS[C.B.C.S.] [NEP-2020]**(Course Code -2353)****Branch Code- PHYSICS (C.B.C.S.) [NEP-2020]****From March--2023**

| | | Part I :- Sem.-II | | |
|-----------|------------|----------------------------|------------------------|---|
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90182 | Quantum Mechanics-II | 16-06-2023 Friday | 10.30 am To 01.30 pm |
| VI | 90183 | Statistical Mechanics | 17-06-2023 Saturday | |
| VII | 90184 | Electrodynamics | 19-06-2023 Monday | |
| VIII | 90185 | Atomic & Molecular Physics | 20-06-2023 Tuesday | |

M.Sc. PHYSICS[C.B.C.S.]**(Course Code -2341)****Branch Code- PHYSICS (C.B.C.S.)****From March--2022**

| | | Part I :- Sem.-II | | |
|-----------|------------|----------------------------|------------------------|---|
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84605 | Quantum Mechanics-II | 16-06-2023 Friday | 10.30 am To 01.30 pm |
| VI | 84606 | Statistical Mechanics | 17-06-2023 Saturday | |
| VII | 84607 | Electrodynamics | 19-06-2023 Monday | |
| VIII | 84608 | Atomic & Molecular Physics | 20-06-2023 Tuesday | |

M.Sc. PHYSICS[C.B.C.S.]**(Course Code -205)****Branch Code- PHYSICS (C.B.C.S.)****From March--2020**

| | | Part I :- Sem.-II | | |
|-----------|------------|----------------------------|------------------------|---|
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 79543 | Quantum Mechanics-II | 16-06-2023 Friday | 10.30 am To 01.30 pm |
| VI | 79544 | Statistical Mechanics | 17-06-2023 Saturday | |
| VII | 79545 | Electrodynamics | 19-06-2023 Monday | |
| VIII | 79546 | Atomic & Molecular Physics | 20-06-2023 Tuesday | |

| 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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M |
| Choose Any One Of The Following Paper | | | | 02:30 P.M. To 04:30 P.M |
| X | 85441 | Data Analysis and Statistical Software(DASF) | 13-06-2023 Tuesday | |
| | 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 | | | | 02:30 P.M. To 05:30 P.M |
| XI | 85429 | The New Energy Technologies(TNET) | 14-06-2023 Wednesday | |
| | 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) | 15-06-2023 Thursday | |
| | 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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M |
| Choose Any One Of The Following Paper | | | | 02:30 P.M. To 04:30 P.M |
| X | 81116 | Data Analysis and Statistical Software(DASF) | 13-06-2023 Tuesday | |
| | 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 | | | | 02:30 P.M. To 05:30 P.M |
| XI | 81092 | The New Energy Technologies(TNET) | 14-06-2023 Wednesday | |
| | 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 | | | | 15-06-2023 Thursday |
| XII | 81098 | Solar Thermal Devices (STD) | | |
| | 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-2023) | |
|---|------------|--|-------------------------|--------------------------------|
| | | Part II :- Semester IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| IX | 86736 | Experimental Techniques | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| Choose Any One of The Following Subject | | | | |
| X | 86748 | Numerical Methods And Programming | 13-06-2023 Tuesday | |
| | 86749 | MATI AB Programming and Applications | | |
| | 86750 | Energy Conversion and Storage Devices | | |
| | 86747 | Modern Analytical Techniques | | |
| Choose Any One of The Following Subject | | | | 10:30 A.M. To 01:30 P.M. |
| XI | 86737 | Renewable Energy Resources | 14-06-2023 Wednesday | |
| | 86738 | Molecular Spectroscopy | | |
| | 86739 | Magnetospheric Plasma Dynamics | | |
| | 86740 | Physical Properties of Solids | | |
| | 86751 | Interaction of Electromagnetic waves with Electron Beams & Plasmas | | |
| | 86752 | Special Materials | | |
| Choose Any One of The Following Subject | | | | |
| XII | 86741 | Energy Conversion Devices | 15-06-2023 Thursday | |
| | 86742 | Nanostructured Materials | | |
| | 86743 | Holography and Its Applications | | |
| | 86744 | Ionospheric and Space Weather | | |
| | 86745 | Semiconductor Devices | | |
| | 86746 | Introduction to Quantum Field Theory | | |

| 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 | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. | |
| Choose Any One of The Following Subject | | | | | |
| X | 83221 | Numerical Methods And Programming | 13-06-2023 Tuesday | | |
| | 83223 | Energy Conversion and Storage Devices | | | |
| | 83224 | MATI AB Programming and Applications | | | |
| Choose Any One of The Following Subject | | | | | |
| XI | 83080 | Renewable Energy Resources | 14-06-2023 Wednesday | | 10:30 A.M. To 01:30 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 | | | | | |
| XII | 83086 | Energy Conversion Devices | 15-06-2023 Thursday | | |
| | 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 [NEP-2020]**(Course Code -2353)**

| Branch Code- Statistics [NEP-2020] | | | | From Oct--2022 |
|--|-------------------|-----------------------|-------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87863 | Real Analysis | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 87864 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 87865 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 87866 | Estimation Theory | 22-06-2023 Thursday | |
| V | 87867 | Statistical Computing | 23-06-2023 Friday | |

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

| Branch Code- Statistics (C.B.C.S.) | | | | From Oct--2019 |
|--|-------------------|-----------------------|-------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83438 | Real Analysis | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 83439 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 83440 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 83441 | Estimation Theory | 22-06-2023 Thursday | |
| V | 83442 | Statistical Computing | 23-06-2023 Friday | |

M.Sc. Statistics [C.B.C.S.]**(Course Code- 205)**

| Branch Code- Statistics (C.B.C.S.) | | | | From Oct--2018 |
|--|-------------------|-----------------------|-------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74907 | Real Analysis | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 74908 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 74909 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 74910 | Estimation Theory | 22-06-2023 Thursday | |
| V | 74911 | Statistical Computing | 23-06-2023 Friday | |

| Branch Code – STATISTICS(C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|---|------------|---|-------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 90189 | Probability Theory | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VII | 90190 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VIII | 90191 | Linear Models and Regression Analysis | 21-06-2023 Wednesday | |
| IX | 90192 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| X | 90193 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

| Branch Code – STATISTICS(C.B.C.S.) | | | | From April-2022 |
|-------------------------------------|------------|---|-------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 84612 | Probability Theory | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VII | 84613 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VIII | 84614 | Regression Analysis | 21-06-2023 Wednesday | |
| IX | 84615 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| X | 84616 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

| Branch Code – STATISTICS (C.B.C.S.) | | | | From April-2020 |
|--------------------------------------|------------|---|-------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 74913 | Probability Theory | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VII | 74914 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VIII | 74915 | Regression Analysis | 21-06-2023 Wednesday | |
| IX | 74916 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| X | 74917 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

| Branch Code - STATISTICS (C.B.C.S.) | | | From Oct-2022 | |
|--------------------------------------|------------|--------------------------|-------------------------|--------------------------------|
| | | Part II :- Sem.-III | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning & Evening |
| XI | 85445 | Asymptotic Inference | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| Choose Any One of the Following | | | | |
| XII | 85449 | Stochastic Processes | 13-06-2023 | |
| | 85450 | Functional Data Analysis | Tuesday | |
| Choose Any One of the Following | | | | |
| XIII | 85451 | Data Mining | 14-06-2023 | |
| | 85452 | Artificial Intelligence | Wednesday | |
| Choose Any One of the Following | | | | |
| XIV | 85453 | Time Series Analysis | 15-06-2023 | |
| | 85454 | Statistical Ecology | Thursday | |
| Choose Any One of the Following | | | | |
| XV | 85446 | Multivariate Analysis | 16-06-2023 | 10:30 A.M. To 01:30 P.M. |
| | 85447 | Bayesian Inference | Friday | |
| | 85448 | Regression Analysis | 21-06-2023 Wednesday | |

| Branch Code - STATISTICS (C.B.C.S.) | | | From Oct-2020 | |
|--------------------------------------|------------|--------------------------|-------------------------|--|
| | | Part II :- Sem.-III | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning & Evening |
| XI | 80980 | Asymptotic Inference | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| Choose Any One of the Following | | | | |
| XII | 80983 | Stochastic Processes | 13-06-2023 | |
| | 80984 | Functional Data Analysis | Tuesday | |
| Choose Any One of the Following | | | | |
| XIII | 80985 | Data Mining | 14-06-2023 | |
| | 80986 | Artificial Intelligence | Wednesday | |
| Choose Any One of the Following | | | | |
| XIV | 80987 | Time Series Analysis | 15-06-2023 | |
| | 80988 | Statistical Ecology | Thursday | |
| Choose Any One of the Following | | | | |
| XV | 80981 | Multivariate Analysis | 16-06-2023 | |
| | 80982 | Bayesian Inference | Friday | |
| | 81347 | Regression Analysis | 21-06-2023 Wednesday | 10:30 A.M. To 01:30 P.M. |

M.Sc. Statistics [C.B.C.S.]
(Course Code -2341)

| Branch Code - STATISTICS (C.B.C.S.) | | | | From March-2023 |
|--------------------------------------|------------|-----------------------------|----------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XVI | 86767 | Generalized Linear Models | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| Choose Any One of the Following | | | | |
| XVII | 86771 | Survival Analysis | 13-06-2023 | |
| | 86772 | Actuarial statistics | Tuesday | |
| Choose Any One of the Following | | | | |
| | 86773 | Biostatistics | 14-06-2023 | |
| | 86774 | Econometrics | Wednesday | |
| Choose Any One of the Following | | | | |
| | 86777 | Optimization techniques | 15-06-2023 | |
| | 86778 | Circular Data analysis | Thursday | |
| Choose Any One of the Following | | | | |
| | 86775 | Spatial data analysis | 16-06-2023 | |
| | 86776 | Statistical quality control | Friday | |

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 | Morning |
| XVI | 83040 | Generalized Linear Models | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| Choose Any One of the Following | | | | |
| XVII | 83041 | Survival Analysis | 13-06-2023 | |
| | 83042 | Actuarial statistics | Tuesday | |
| Choose Any One of the Following | | | | |
| | 83043 | Biostatistics | 14-06-2023 | |
| | 83044 | Econometrics | Wednesday | |
| Choose Any One of the Following | | | | |
| | 83039 | Optimization techniques | 15-06-2023 | |
| | 83175 | Circular Data analysis | Thursday | |
| Choose Any One of the Following | | | | |
| | 83045 | Spatial data analysis | 16-06-2023 | |
| | 83046 | Statistical quality control | Friday | |

M.Sc. Applied Statistics & Informatics [NEP-2020]

(Course Code -2353)

| Branch Code- Applied Statistics & Informatics [NEP-2020] | | | | From Oct--2022 |
|---|------------|--------------------------------------|-------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87777 | Fundamentals Of Computer Programming | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 87778 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 87779 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 87780 | Estimation Theory | 22-06-2023 Thursday | |
| V | 87781 | Statistical Computing | 23-06-2023 Friday | |

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

(Course Code- 2341)

| Branch Code- Applied Statistics & Informatics (C.B.C.S.) | | | | From Oct--2019 |
|---|------------|--------------------------------------|-------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83404 | Fundamentals Of Computer Programming | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 83405 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 83406 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 83407 | Estimation Theory | 22-06-2023 Thursday | |
| V | 83408 | Statistical Computing | 23-06-2023 Friday | |

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

(Course Code -205)

| Branch Code- Applied Statistics & Informatics (C.B.C.S.) | | | | From Oct--2018 |
|---|------------|--------------------------------------|-------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74974 | Fundamentals Of Computer Programming | 19-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| II | 74975 | Linear Algebra | 20-06-2023 Tuesday | |
| III | 74976 | Distribution Theory | 21-06-2023 Wednesday | |
| IV | 74977 | Estimation Theory | 22-06-2023 Thursday | |
| V | 74978 | Statistical Computing | 23-06-2023 Friday | |

M.Sc. Applied Statistics & Informatics [NEP-2020]**(Course Code -2353)**

| Branch Code - APPLIED STATISTICS &INFORMATICS (C.B.C.S.) [NEP-2020] | | | | |
|---|------------|---|-------------------------|--|
| From March--2023 | | | | |
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90086 | Advanced Data Structure with C++ | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VI | 90087 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VII | 90088 | Linear Models and Regression Analysis | 21-06-2023 Wednesday | |
| VIII | 90089 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| IX | 90090 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

M.Sc. Applied Statistics & Informatics [C.B.C.S.]**(Course Code- 2341)**

| Branch Code - APPLIED STATISTICS &INFORMATICS (C.B.C.S.) | | | | |
|---|------------|---|-------------------------|--|
| New From April-2022 | | | | |
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84521 | Advanced Data Structure with C++ | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VI | 84522 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VII | 84523 | Regression Analysis | 21-06-2023 Wednesday | |
| VIII | 84524 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| IX | 84525 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

M.Sc. Applied Statistics & Informatics [C.B.C.S.]**(Course Code- 205)**

| 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 | Morning |
| V | 79516 | Advanced Data Structure with C++ | 19-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| VI | 79517 | Theory of Testing of Hypothesis | 20-06-2023 Tuesday | |
| VII | 79518 | Regression Analysis | 21-06-2023 Wednesday | |
| VIII | 79519 | Design and Analysis of Experiments | 22-06-2023 Thursday | |
| IX | 79520 | Sampling Theory and Official Statistics | 23-06-2023 Friday | |

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 & Evening |
| X | 85296 | Data Base Management System | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| Choose Any One of the Following | | | | |
| XI | 85300 | Stochastic Processes | 13-06-2023 | |
| | 85301 | Functional Data Analysis | Tuesday | |
| Choose Any One of the Following | | | | |
| XII | 85302 | Data Mining | 14-06-2023 | |
| | 85303 | Artificial Intelligence | Wednesday | |
| Choose Any One of the Following | | | | |
| XIII | 85304 | Time Series Analysis | 15-06-2023 | |
| | 85305 | Statistical Ecology | Thursday | |
| Choose Any One of the Following | | | | |
| XIV | 85297 | Multivariate Analysis | 16-06-2023 | 10:30 A.M. To 01:30 P.M. |
| | 85298 | Bayesian Inference | Friday | |
| | 85299 | Regression Analysis | 21-06-2023 Wednesday | |

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 & Evening |
| X | 80591 | Data Base Management System | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| Choose Any One of the Following | | | | |
| XI | 80594 | Stochastic Processes | 13-06-2023 | |
| | 80595 | Functional Data Analysis | Tuesday | |
| Choose Any One of the Following | | | | |
| XII | 80596 | Data Mining | 14-06-2023 | |
| | 80597 | Artificial Intelligence | Wednesday | |
| Choose Any One of the Following | | | | |
| XIII | 80598 | Time Series Analysis | 15-06-2023 | |
| | 80599 | Statistical Ecology | Thursday | |
| Choose Any One of the Following | | | | |
| XIV | 80592 | Multivariate Analysis | 16-06-2023 | |
| | 80593 | Bayesian Inference | Friday | |
| | 81347 | Regression Analysis | 21-06-2023 Wednesday | 10:30 A.M. To 01:30 P.M. |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From March-2023 |
|--|------------|-----------------------------|------------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XVI | 86594 | Generalized Linear Models | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIX | 86595 | Python for Data Science | 15-06-2023 Thursday | |
| Choose Any One of the Following | | | | |
| XVII | 86599 | Survival Analysis | 13-06-2023 | |
| | 86600 | Actuarial statistics | Tuesday | |
| Choose Any One of the Following | | | | |
| XVIII | 86602 | Biostatistics | 14-06-2023 | |
| | 86601 | Econometrics | Wednesday | |
| Choose Any One of the Following | | | | |
| XX | 86603 | Spatial data analysis | 16-06-2023 Friday | |
| | 86604 | Statistical quality control | | |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From April-2021 |
|--|------------|-----------------------------|------------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XVI | 82941 | Generalized Linear Models | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| Choose Any One of the Following | | | | |
| XVII | 82942 | Survival Analysis | 13-06-2023 | |
| | 83042 | Actuarial statistics | Tuesday | |
| Choose Any One of the Following | | | | |
| XVIII | 83238 | Biostatistics | 14-06-2023 | |
| | 82946 | Econometrics | Wednesday | |
| Choose Any One of the Following | | | | |
| XIX | 82939 | Python for Data Science | 15-06-2023 Thursday | |
| Choose Any One of the Following | | | | |
| XX | 83045 | Spatial data analysis | 16-06-2023 Friday | |
| | 82943 | Statistical quality control | | |

M.Sc. Environmental Science [NEP-2020]**(Course Code -2353)**

| Branch Code- Environmental Science [NEP-2020] | | | | From Oct-2022 |
|---|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87810 | Global Environmental Issues | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87811 | Environmental Chemistry and Instrumentation Techniques | 17-06-2023 Saturday | |
| III | 87812 | Environmental Geosciences, GIS and Remote Sensing | 19-06-2023 Monday | |
| IV | 87813 | Environmental Chemistry, Ecology and Biodiversity | 20-06-2023 Tuesday | |

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

| Branch Code- Environmental Science (C.B.C.S.) | | | | From Oct-2019 |
|---|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83449 | Introduction To Environmental Science | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83450 | Environmental Chemistry | 17-06-2023 Saturday | |
| III | 83451 | Environmental Biology | 19-06-2023 Monday | |
| IV | 83452 | Information Technology In Environmental Sciences | 20-06-2023 Tuesday | |

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

| Branch Code- Environmental Science (C.B.C.S.) | | | | From Oct-2019 |
|---|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74901 | Introduction To Environmental Science | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 74902 | Environmental Chemistry | 17-06-2023 Saturday | |
| III | 74903 | Environmental Biology | 19-06-2023 Monday | |
| IV | 74904 | Information Technology In Environmental Sciences | 20-06-2023 Tuesday | |

M.Sc. Environmental Science [NEP-2020]**(Course Code -2353)**

| Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|--|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90132 | Air and Noise Pollution with its Control | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90133 | Water Pollution and its Control | 17-06-2023 Saturday | |
| VII | 90134 | Solid and Hazardous Waste Management | 19-06-2023 Monday | |
| VIII | 90135 | Energy studies | 20-06-2023 Tuesday | |

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

| Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | March- 2022 |
|---|------------|---|------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84564 | Environmental Engineering | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 84565 | Environmental Pollution and control | 17-06-2023 Saturday | |
| VII | 84566 | Environmental Geosciences and Climatology | 19-06-2023 Monday | |
| VIII | 84567 | Energy studies | 20-06-2023 Tuesday | |

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

| Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | March- 2020 |
|---|------------|---|------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 79477 | Environmental Engineering | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 79478 | Environmental Pollution and control | 17-06-2023 Saturday | |
| VII | 79479 | Environmental Geosciences and Climatology | 19-06-2023 Monday | |
| VIII | 79480 | Energy studies | 20-06-2023 Tuesday | |

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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| XI | 85356 | Environmental Statistics and Computer Applications | 13-06-2023 Tuesday | |
| XII | 85357 | Environmental Policy and Legislation | 14-06-2023 Wednesday | |
| XIII | 85358 | Environmental Toxicology and Public Health | 15-06-2023 Thursday | |

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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| XI | 80583 | Environmental Statistics and Computer Applications | 13-06-2023 Tuesday | |
| XII | 80584 | Environmental Policy and Legislation | 14-06-2023 Wednesday | |
| XIII | 80585 | Environmental Toxicology and Public Health | 15-06-2023 Thursday | |

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

| Branch Code- ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | From March-2023 |
|--|-------------------|---|-------------------------|--------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XIII | 86670 | Socio- Economic Aspects of Environment | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 86671 | Environmental Hazards and Disaster Management | 13-06-2023 Tuesday | |
| XV | 86672 | Environmental Planning and Management | 14-06-2023 Wednesday | |
| XVI | 86673 | Environmental Biotechnology | 15-06-2023 Thursday | |

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 | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 83051 | Environmental Hazards and Disaster Management | 13-06-2023 Tuesday | |
| XV | 83052 | Environmental Planning and Management | 14-06-2023 Wednesday | |
| XVI | 83053 | Environmental Biotechnology | 15-06-2023 Thursday | |

M.Sc. Medical Information Management [NEP-2020]**(Course Code -2353)**

| Branch Code- Medical Information Management [NEP-2020] | | | | From Oct--2022 |
|--|-------------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87845 | Information Technology in Health Sciences | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87846 | Introduction to Biological Sciences | 17-06-2023 Saturday | |
| III | 87847 | Medical Informatics | 19-06-2023 Monday | |
| IV | 87848 | German Language –A1 | 20-06-2023 Tuesday | |

M.Sc. Medical Information Management**(Course Code- 2341)**

| Branch Code- Medical Information Management | | | | From Oct--2019 |
|--|-------------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83486 | Information Technology in Health Sciences | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83487 | Introduction to Biological Sciences | 17-06-2023 Saturday | |
| III | 83488 | Medical Informatics | 19-06-2023 Monday | |
| IV | 83489 | German Language –A1 | 20-06-2023 Tuesday | |

M.Sc. Medical Information Management**(Course Code -205)**

| Branch Code- Medical Information Management | | | | From Oct--2019 |
|--|-------------------|---|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 79007 | Information Technology in Health Sciences | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 79008 | Introduction to Biological Sciences | 17-06-2023 Saturday | |
| III | 79009 | Medical Informatics | 19-06-2023 Monday | |
| IV | 79010 | German Language –A1 | 20-06-2023 Tuesday | |

M.Sc. Medical Information Management [NEP-2020]**(Course Code -2353)**

| Branch Code- Medical Information Management (C.B.C.S. [NEP-2020] | | | | From March--2023 |
|---|-------------------|--------------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90176 | Research Methods and Statistics | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90177 | Clinical Data and Quality Management | 17-06-2023 Saturday | |
| VII | 90178 | Clinical Quality Management | 19-06-2023 Monday | |
| VIII | 90179 | Clinical Data Management | 20-06-2023 Tuesday | |

M.Sc. Medical Information Management**(Course Code- 2341)**

| Branch Code- Medical Information Management (C.B.C.S.) | | | | From April-2022 |
|--|-------------------|--------------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84599 | Research Methods and Statistics | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 84600 | Clinical Data and Quality Management | 17-06-2023 Saturday | |
| VII | 84601 | Clinical Quality Management | 19-06-2023 Monday | |
| VIII | 84602 | Clinical Data Management | 20-06-2023 Tuesday | |

M.Sc. Medical Information Management**(Course Code- 205)**

| Branch Code- Medical Information Management (C.B.C.S.) | | | | From April-2020 |
|--|-------------------|--------------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 80827 | Research Methods and Statistics | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 80828 | Clinical Data and Quality Management | 17-06-2023 Saturday | |
| VII | 80829 | Clinical Quality Management | 19-06-2023 Monday | |
| VIII | 80830 | Clinical Data Management | 20-06-2023 Tuesday | |

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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 86551 | Clinical Quality Management-II | 13-06-2023 Tuesday | |
| XI | 86552 | Project Management and Project Presentation | 14-06-2023 Wednesday | |
| XII | 86553 | Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology. | 15-06-2023 Thursday | |

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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 81113 | Clinical Quality Management-II | 13-06-2023 Tuesday | |
| XI | 81114 | Project Management and Project Presentation | 14-06-2023 Wednesday | |
| XII | 81115 | Module to deepen Knowledge Clinical Research Biostatistics, Epidemiology. | 15-06-2023 Thursday | |

M.Sc. Food Science & Technology [NEP-2020]**(Course Code -2353)**

| Branch Code- Food Science & Technology [NEP-2020] | | | | From Oct-2022 |
|---|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87818 | Principles Of Food Processing & Preservation | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87819 | Food Microbiology | 17-06-2023 Saturday | |
| III | 87820 | Food Chemistry | 19-06-2023 Monday | |
| IV | 87821 | Biochemistry And Nutrition | 20-06-2023 Tuesday | |

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

| Branch Code- Food Science & Technology (C.B.C.S.) | | | | From Oct-2019 |
|---|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83454 | Principles Of Food Processing & Preservation | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83455 | Food Microbiology | 17-06-2023 Saturday | |
| III | 83456 | Food Chemistry | 19-06-2023 Monday | |
| IV | 83457 | Biochemistry And Nutrition | 20-06-2023 Tuesday | |

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

| Branch Code- Food Science & Technology (C.B.C.S.) | | | | From Oct-2019 |
|---|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74919 | Principles Of Food Processing & Preservation | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 74920 | Food Microbiology | 17-06-2023 Saturday | |
| III | 74921 | Food Chemistry | 19-06-2023 Monday | |
| IV | 74922 | Biochemistry And Nutrition | 20-06-2023 Tuesday | |

M.Sc. Food Science & Technology [C.B.C.S.] [NEP-2020]**(Course Code -2353)**

| Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|---|-------------------|--------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 90145 | Principles of Food Engineering | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VII | 90146 | Cereal and Legume Technology | 17-06-2023 Saturday | |
| V | 90147 | Fruit and Vegetable Technology | 19-06-2023 Monday | |
| VIII | 90148 | Fermentation Technology | 20-06-2023 Tuesday | |

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

| Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From April-2022 |
|---|-------------------|--------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 85081 | Principles of Food Engineering | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VII | 85082 | Cereal and Legume Technology | 17-06-2023 Saturday | |
| V | 85083 | Fruit and Vegetable Technology | 19-06-2023 Monday | |
| VIII | 85084 | Fermentation Technology | 20-06-2023 Tuesday | |

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

| Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From April-2020 |
|---|-------------------|--------------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| VI | 79372 | Principles of Food Engineering | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VII | 79373 | Cereal and Legume Technology | 17-06-2023 Saturday | |
| V | 79374 | Fruit and Vegetable Technology | 19-06-2023 Monday | |
| VIII | 79375 | Fermentation Technology | 20-06-2023 Tuesday | |

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 | Evening |
| IX | 85359 | Technology of Meat, Fish and Poultry Products | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 85360 | Technology of Milk and Milk Products | 13-06-2023 Tuesday | |
| XI | 85361 | Food Quality and Safety Management | 14-06-2023 Wednesday | |
| XII | 85362 | Food Additives, Contaminants and Toxicology | 15-06-2023 Thursday | |

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 | Evening |
| IX | 80990 | Technology of Meat, Fish and Poultry Products | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 80991 | Technology of Milk and Milk Products | 13-06-2023 Tuesday | |
| XI | 80993 | Food Quality and Safety Management | 14-06-2023 Wednesday | |
| XII | 80992 | Food Additives, Contaminants and Toxicology | 15-06-2023 Thursday | |

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

| Branch Code- FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From March-2023 |
|--|------------|---|-------------------------|--------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XIII | 86678 | Food Packaging | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 86679 | Technology of Oilseeds & Fats | 13-06-2023 Tuesday | |
| XV | 86680 | Food Biotechnology | 14-06-2023 Wednesday | |
| XVI | 86681 | Post-Harvest Technology of Plantation Crops | 15-06-2023 Thursday | |

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 | Morning |
| XIII | 82952 | Food Packaging | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 82949 | Technology of Oilseeds & Fats | 13-06-2023 Tuesday | |
| XV | 82950 | Food Biotechnology | 14-06-2023 Wednesday | |
| XVI | 82951 | Post-Harvest Technology of Plantation Crops | 15-06-2023 Thursday | |

M.Sc. Alcohol Technology [NEP-2020]

(Course Code -2353)

| Branch Code- Alcohol Technology [NEP-2020] | | | | From Oct--2022 |
|---|------------|------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87767 | Alcohol Technology - I | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87768 | Microbiology | 17-06-2023 Saturday | |
| III | 87769 | Bio-Chemistry | 19-06-2023 Monday | |
| IV | 87770 | Applied Chemistry | 20-06-2023 Tuesday | |

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

(Course Code -2341)

| Branch Code- Alcohol Technology (C.B.C.S.) | | | | From Oct--2020 |
|---|------------|------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83397 | Alcohol Technology - I | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83398 | Microbiology | 17-06-2023 Saturday | |
| III | 83395 | Bio-Chemistry | 19-06-2023 Monday | |
| IV | 83396 | Applied Chemistry | 20-06-2023 Tuesday | |

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

(Course Code -205)

| Branch Code- Alcohol Technology (C.B.C.S.) | | | | From Oct--2020 |
|---|------------|------------------------|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 81082 | Alcohol Technology - I | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 81083 | Microbiology | 17-06-2023 Saturday | |
| III | 81084 | Bio-Chemistry | 19-06-2023 Monday | |
| IV | 81085 | Applied Chemistry | 20-06-2023 Tuesday | |

M.Sc. Alcohol Technology [C.B.C.S.] [NEP-2020]

(Course Code -2353)

| Branch Code - Alcohol Technology (C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|---|------------|---------------------------------|------------------------|--------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90068 | Alcohol Technology-II | 17-06-2023 Saturday | 10:30 A.M. To 01:30 P.M. |
| VI | 90069 | Applied Microbiology | 19-06-2023 Monday | |
| VII | 90070 | Industrial Fermentation-I | 16-06-2023 Friday | |
| VIII | 90071 | Applied Process Instrumentation | 20-06-2023 Tuesday | |

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

(Course Code -2341)

| Branch Code - Alcohol Technology (C.B.C.S.) | | | | <u>(From April-2022)</u> |
|--|-------------------|---------------------------------|------------------------|---------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84502 | Industrial Fermentation | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 84503 | Alcohol Technology-II | 17-06-2023 Saturday | |
| VII | 84504 | Applied Microbiology | 19-06-2023 Monday | |
| VIII | 84505 | Applied Process Instrumentation | 20-06-2023 Tuesday | |

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

(Course Code -205)

| 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 | Morning |
| V | 82915 | Industrial Fermentation | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 82916 | Alcohol Technology-II | 17-06-2023 Saturday | |
| VII | 82914 | Applied Microbiology | 19-06-2023 Monday | |
| VIII | 82917 | Applied Process Instrumentation | 20-06-2023 Tuesday | |

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 | Evening |
| IX | 85279 | Alcohol Technology-III | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 85280 | Industrial Microbiology | 13-06-2023 Tuesday | |
| XI | 85278 | Chemical Engineering | 14-06-2023 Wednesday | |
| Paper No. XII | Paper No. XII :- Choose Any One of the Following Papers | | | |
| | 85283 | Industrial Waste Water Treatment | 15-06-2023 Thursday | |
| | 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 | Evening |
| IX | 83795 | Alcohol Technology-III | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 83796 | Industrial Microbiology | 13-06-2023 Tuesday | |
| XI | 83797 | Chemical Engineering | 14-06-2023 Wednesday | |
| Paper No. XII | Paper No. XII :- Choose Any One of the Following Papers | | | |
| | 83798 | Industrial Waste Water Treatment | 15-06-2023 Thursday | |
| | 83799 | Pollution Prevention and Control | | |
| | 83800 | Sugar Technology | | |

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

(Course Code -2341)

| Branch Code - Alcohol Technology (C.B.C.S.) | | | (From March-2023) | |
|---|--|-------------------------------------|-------------------------|--------------------------------|
| | | Part II - Sem IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XIII | 90485 | Alcohol Technology-IV | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 90486 | Alcohol Technology-V | 13-06-2023 Tuesday | |
| XV | 90487 | Industrial Fermentation-II | 14-06-2023 Wednesday | |
| Paper No. XVI | Paper No. IV :- Choose Any One of the Following Papers | | | |
| | 90488 | General Engineering | 15-06-2023 Thursday | |
| | 90489 | Business management & Marketing | | |
| | 90490 | Energy conversion and co generation | | |

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 | Morning |
| XIII | 85101 | Alcohol Technology-IV | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 85102 | Alcohol Technology-V | 13-06-2023 Tuesday | |
| XV | 85103 | Industrial Fermentation-II | 14-06-2023 Wednesday | |
| Paper No. XVI | Paper No. IV :- Choose Any One of the Following Papers | | | |
| | 85104 | General Engineering | 15-06-2023 Thursday | |
| | 85105 | Business management & Marketing | | |
| | 85106 | Energy conversion and co generation | | |

M.Sc. Sugar Technology [NEP-2020]

(Course Code -2353)

| Branch Code- Sugar Technology [NEP-2020] | | | | From Oct--2022 |
|--|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87868 | Sugar Cane Agriculture | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87869 | Sugar Processing-Clarification & Evaporation | 17-06-2023 Saturday | |
| III | 87870 | Sugar Engineering-Milling | 19-06-2023 Monday | |
| IV | 87871 | Chemical Control | 20-06-2023 Tuesday | |

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

(Course Code- 2341)

| Branch Code- Sugar Technology (C.B.C.S.) | | | | From Oct--2020 |
|--|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83508 | Sugar Cane Agriculture | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83509 | Sugar Processing-Clarification & Evaporation | 17-06-2023 Saturday | |
| III | 83510 | Sugar Engineering-Milling | 19-06-2023 Monday | |
| IV | 83511 | Chemical Control | 20-06-2023 Tuesday | |

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

(Course Code- 205)

| Branch Code- Sugar Technology (C.B.C.S.) | | | | From Oct--2020 |
|--|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 81087 | Sugar Cane Agriculture | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 81088 | Sugar Processing-Clarification & Evaporation | 17-06-2023 Saturday | |
| III | 81089 | Sugar Engineering-Milling | 19-06-2023 Monday | |
| IV | 81090 | Chemical Control | 20-06-2023 Tuesday | |

M.Sc. Sugar Technology [NEP-2020]

(Course Code -2353)

| Branch Code - Sugar Technology (C.B.C.S.) [NEP-2020] | | | | From March-2023 |
|--|-------------------|--|------------------------|--------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90198 | Sugar Chemistry(SUCHEM) | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90199 | Sugar Processing-Crystalization & Finishing | 17-06-2023 Saturday | |
| VII | 90200 | Sugar Engineering-Steam & Power Generation(SEEPPG) | 19-06-2023 Monday | |
| VIII | 90201 | Equipment Design and Drawing(EDD) | 20-06-2023 Tuesday | |

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

(Course Code- 2341)

| Branch Code - Sugar Technology (C.B.C.S.) | | (From April-2022) | | |
|---|------------|---|------------------------|--------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 84621 | Sugar Chemistry(SUCHEM) | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 84622 | Sugar Processing-Crystalization & Finishing | 17-06-2023 Saturday | |
| VII | 84623 | Sugar Engineering-Steam & Power Generation(SEEPG) | 19-06-2023 Monday | |
| VIII | 84624 | Equipment Design and Drawing(EDD) | 20-06-2023 Tuesday | |

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

(Course Code- 205)

| Branch Code - Sugar Technology (C.B.C.S.) | | (From April-2021) | | |
|---|------------|---|------------------------|------------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Session |
| V | 82907 | Sugar Chemistry(SUCHEM) | 16-06-2023 Friday | 10.30 am To 01.30 pm |
| VI | 82908 | Sugar Processing-Crystalization & Finishing | 17-06-2023 Saturday | |
| VII | 82909 | Sugar Engineering-Steam & Power Generation(SEEPG) | 19-06-2023 Monday | |
| VIII | 82910 | Equipment Design and Drawing(EDD) | 20-06-2023 Tuesday | |

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) | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 85457 | Allied sugar manufacturing | 13-06-2023 Tuesday | |
| XI | 85458 | Chemical Engineering-Heat & Material Transfer(CEHMT) | 14-06-2023 Wednesday | |
| Paper No.XII | Paper No. XII :- Choose Any One of the Following Papers | | | |
| | 85459 | Alcohol Technology (ALCOTECH) | 15-06-2023 Thursday | |
| | 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) | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 83803 | Allied sugar manufacturing | 13-06-2023 Tuesday | |
| XI | 83804 | Chemical Engineering-Heat & Material Transfer(CEHMT) | 14-06-2023 Wednesday | |
| Paper No.XII | Paper No. XII :- Choose Any One of the Following Papers | | | |
| | 83805 | Alcohol Technology(ALCOTECH) | 15-06-2023 Thursday | |
| | 83806 | Bio-Chemical Engineering(BCE) | | |
| | 83807 | Electronics and Instrument Engineering(EIE) | | |

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

| Branch Code - Sugar Technology (C.B.C.S.) | | | (From-March-2023) | |
|---|--|--|-------------------------|--|
| | | Part II - Sem IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| XIII | 90471 | Advance Sugar Technology and Engineering | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 90472 | Allied Co Product Manufacturing | 13-06-2023 Tuesday | |
| XV | 90473 | Chemical Engineering | 14-06-2023 Wednesday | |
| Paper No. XVI | Paper No. IV :- Choose Any One of the Following Papers | | | |
| | 90476 | Energy Conversion and Co-generation | 15-06-2023 Thursday | |
| | 90477 | Pollution Prevention and Control | | |
| | 90478 | Water Management and Zero Discharge | | |

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 | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| XIV | 85094 | Allied Co Product Manufacturing | 13-06-2023 Tuesday | |
| XV | 95096 | Chemical Engineering | 14-06-2023 Wednesday | |
| Paper No. XVI | Paper No. IV :- Choose Any One of the Following Papers | | | |
| | 85097 | Energy Conversion and Co-generation | 15-06-2023 Thursday | |
| | 85098 | Pollution Prevention and Control | | |
| | 85099 | Water Management and Zero Discharge | | |

M.Sc. Food Science and Nutrition [NEP-2020]

(Course Code -2353)

| Branch Code- Food Science and Nutrition [NEP-2020] | | | | From Oct--2022 |
|--|-------------------|------------------------------|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87814 | Human Physiology | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87815 | Food Preservation Techniques | 17-06-2023 Saturday | |
| III | 87816 | Advance in Food Chemistry | 19-06-2023 Monday | |
| IV | 87817 | Nutrition though life cycle | 20-06-2023 Tuesday | |

M.Sc. Food Science and Nutrition [C.B.C.S.]

(Course code-2341)

| Branch Code- Food Science and Nutrition (C.B.C.S.) | | | | From Oct--2021 |
|--|-------------------|------------------------------|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 83846 | Human Physiology | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 83847 | Food Preservation Techniques | 17-06-2023 Saturday | |
| III | 83848 | Advance in Food Chemistry | 19-06-2023 Monday | |
| IV | 83849 | Nutrition though life cycle | 20-06-2023 Tuesday | |

M.Sc. Food Science and Nutrition [C.B.C.S.] [NEP-2020]

(Course Code -2353)

| Branch Code- Food Science and Nutrition (C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|--|-------------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90140 | Advance in Food Microbiology | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90141 | Processing of Cereal, Legume and Oilseeds | 17-06-2023 Saturday | |
| VII | 90142 | Processing of Fruits and Vegetables | 19-06-2023 Monday | |
| VIII | 90143 | Nutritional Biochemistry | 20-06-2023 Tuesday | |

M.Sc. Food Science and Nutrition [C.B.C.S.]

(Course code-2341)

| Branch Code- Food Science and Nutrition (C.B.C.S.) | | | | From March--2022 |
|--|-------------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 83851 | Advance in Food Microbiology | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 83852 | Processing of Cereal, Legume and Oilseeds | 17-06-2023 Saturday | |
| VII | 83853 | Processing of Fruits and Vegetables | 19-06-2023 Monday | |
| VIII | 83854 | Nutritional Biochemistry | 20-06-2023 Tuesday | |

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 | Evening |
| IX | 86326 | Research Methodology & Biostatistics | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 86327 | Processing of Milk and Milk Products | 13-06-2023 Tuesday | |
| XI | 86328 | Food Additives, Contaminants and Toxicology | 14-06-2023 Wednesday | |
| XII | 86329 | Clinical Nutrition | 15-06-2023 Thursday | |

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

| Branch Code- Food Science & Nutrition C.B.C.S.) | | | From March-2023 | |
|---|------------|--------------------------------------|-------------------------|--------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| IX | 86331 | Food Product Development & Packaging | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| X | 86332 | Processing of Animal Foods | 13-06-2023 Tuesday | |
| XI | 86333 | Functional Foods and Nutraceuticals | 14-06-2023 Wednesday | |
| XII | 86334 | Public Health Nutrition | 15-06-2023 Thursday | |

M.Sc. Embedded Technology [NEP-2020]
(Course Code -2353)

| Branch Code- Embedded Technology [NEP-2020] | | | From Oct--2022 | |
|--|------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87800 | Fundamental of Embedded System Design | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87801 | CMOS Analog Circuit Design | 17-06-2023 Saturday | |
| III | 87802 | Advanced Digital Design with Verilog HDL | 19-06-2023 Monday | |
| IV | 87803 | Advanced Microcontroller Based Embedded system Design | 20-06-2023 Tuesday | |

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

| Branch Code- Embedded Technology (C.B.C.S.) | | | From Oct--2021 | |
|--|------------|---|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 84174 | Fundamental of Embedded System Design | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 84175 | CMOS Analog Circuit Design | 17-06-2023 Saturday | |
| III | 84176 | Advanced Digital Design with Verilog HDL | 19-06-2023 Monday | |
| IV | 84177 | Advanced Microcontroller Based Embedded system Design | 20-06-2023 Tuesday | |

M.Sc. Embedded Technology [NEP-2020]

(Course Code -2353)

| Branch Code- Embedded Technology (C.B.C.S.) [NEP-2020] | | | | From March--2023 |
|---|-------------------|------------------------------------|------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90126 | Real Time Operating System | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90127 | Mixed Signal Based PSoC Design | 17-06-2023 Saturday | |
| VII | 90128 | Embedded System Design with | 19-06-2023 Monday | |
| VIII | 90129 | Device Drivers and Embedded System | 20-06-2023 Tuesday | |

M.Sc. Embedded Technology [C.B.C.S.]

(Course code-2341)

| Branch Code- Embedded Technology (C.B.C.S.) | | | | From March--2022 |
|---|-------------------|------------------------------------|------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 85088 | Real Time Operating System | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 85089 | Mixed Signal Based PSoC Design | 17-06-2023 Saturday | |
| VII | 85090 | Embedded System Design with | 19-06-2023 Monday | |
| VIII | 85091 | Device Drivers and Embedded System | 20-06-2023 Tuesday | |

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 | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| X | 86337 | Programming with Python | 13-06-2023 Tuesday | |
| XI | 86338 | ARM Microcontroller and Embedded System Design | 14-06-2023 Wednesday | |

M.Sc. Embedded Technology [C.B.C.S.]

(Course Code -2341)

| Branch Code- Embedded Technology (C.B.C.S.) | | | | From March-2023 |
|---|-------------------|---|-------------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| IX | 86339 | Intelligent IoT System Design | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| X | 86340 | Smart Fusion Technology Based System Design | 13-06-2023 Tuesday | |
| XI | 86341 | Artificial Intelligence & Machine Learning | 14-06-2023 Wednesday | |

M.Sc. Data Science [NEP-2020]**(Course code-2353)**

| Branch Code- Data Science [NEP-2020] | | | | From Oct--2022 |
|--|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 88401 | Basic Statistics for Data Science | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 88402 | Feature Engineering-1 | 17-06-2023 Saturday | |
| III | 88403 | Data Structure using Python | 19-06-2023 Monday | |
| IV | 88404 | Introduction to Database Management System | 20-06-2023 Tuesday | |

M.Sc. Data Science [NEP-2020]**(Course code-2353)**

| Branch Code- Data Science [NEP-2020] | | | | From March--2023 |
|---|-------------------|--------------------------------------|------------------------|--------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 88406 | Advanced Statistics for Data Science | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 88407 | Feature Engineering | 17-06-2023 Saturday | |
| VII | 88408 | Machine Learning | 19-06-2023 Monday | |
| VIII | 88409 | Design and Analysis of Algorithm | 20-06-2023 Tuesday | |

M.Sc. Information Technology [NEP-2020]**(Course code-2353)**

| Branch Code- Information Technology [NEP-2020] | | | | From Oct--2022 |
|---|------------|-------------------------------------|------------------------|--|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 87854 | Research Computing | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 87855 | Advance Web Technology | 17-06-2023 Saturday | |
| III | 87856 | Cloud Computing | 19-06-2023 Monday | |
| Choose Any One Of The Following Paper | | | | |
| IV | 89075 | Soft Computing Techniques | 20-06-2023 Tuesday | |
| | 89074 | Advanced Database Management System | | |
| | 89076 | Machine Learning Processing | | |

M.Sc. Information Technology [NEP-2020]**(Course code-2353)**

| Branch Code- Information Technology [NEP-2020] | | | | From March--2023 |
|---|------------|-----------------------------|------------------------|--|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 90515 | Data Science | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 90516 | Advance Java Technology | 17-06-2023 Saturday | |
| VII | 90517 | Big Data Analytics | 19-06-2023 Monday | |
| Choose Any One Of The Following Paper | | | | |
| VIII | 90518 | Modern Networking | 20-06-2023 Tuesday | |
| | 90519 | Natural Language Processing | | |
| | 90520 | Deep Learning | | |

M.A/M.Sc. Geography [NEP-2020]**(Course code-4464)**

| Branch Code- Geography [NEP-2020] | | | | From Oct--2022 |
|---|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 88327 | Fundamentals of Geomorphology | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 88328 | Principles of Climatology | 17-06-2023 Saturday | |
| III | 88329 | Economic Geography | 19-06-2023 Monday | |
| IV | 88330 | Geography of Population and Human Resource Development | 20-06-2023 Tuesday | |

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

| Branch Code- Geography (C.B.C.S.) | | | | From Oct--2019 |
|---|-------------------|--|------------------------|--------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 84073 | Fundamentals of Geomorphology | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 84074 | Principles of Climatology | 17-06-2023 Saturday | |
| III | 84075 | Economic Geography | 19-06-2023 Monday | |
| IV | 84076 | Geography of Population and Human Resource Development | 20-06-2023 Tuesday | |

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

| Branch Code- Geography (C.B.C.S.) | | | | From Oct--2019 |
|---|-------------------|--|------------------------|------------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Evening |
| I | 74960 | Fundamentals of Geomorphology | 16-06-2023 Friday | 02:30 P.M. To 05:30 P.M. |
| II | 74961 | Principles of Climatology | 17-06-2023 Saturday | |
| III | 74962 | Economic Geography | 19-06-2023 Monday | |
| IV | 74963 | Geography of Population and Human Resource Development | 20-06-2023 Tuesday | |

M.A./M.Sc. Geography [NEP-2020]**(Course code-4464)**

| Branch Code - GEOGRAPHY (C.B.C.S.) [NEP-2020] | | | | (From March-2023) |
|--|-------------------|--|------------------------|------------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 88332 | Development of Modern Geographical Thought | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 88333 | Geohydrology and Oceanography | 17-06-2023 Saturday | |
| VII | 88334 | Social and Cultural Geography | 19-06-2023 Monday | |
| VIII | 88335 | Advanced Cartography and Surveying | 20-06-2023 Tuesday | |

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

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | (From April-2022) |
|--|-------------------|--|------------------------|------------------------------------|
| | | Part I - Sem II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| V | 85108 | Applied Geomorphology | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. |
| VI | 85109 | Applied Climatology and Climate Change | 17-06-2023 Saturday | |
| VII | 85112 | Social and Cultural Geography | 19-06-2023 Monday | |
| VIII | 85113 | Advanced Cartography and Surveying | 20-06-2023 Tuesday | |

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

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | | (From April-2020) |
|--|-------------------|--|------------------------|--------------------------------|--------------------------|
| | | Part I - Sem II | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning | |
| I | 79307 | Applied Geomorphology | 16-06-2023 Friday | 10:30 A.M. To 01:30 P.M. | |
| II | 79308 | Applied Climatology and Climate Change | 17-06-2023 Saturday | | |
| III | 79309 | Social and Cultural Geography | 19-06-2023 Monday | | |
| IV | 79536 | Advanced Cartography and Surveying | 20-06-2023 Tuesday | | |

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 | Evening |
| V | 86194 | Geohydrology and Oceanography | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| VI | 86195 | Fundamentals of Remote Sensing and Digital Image Processing | 13-06-2023 Tuesday | |
| Choose Any One of the Following Papers | | | | |
| VII | 86198 | Geography of Environment | 14-06-2023 Wednesday | |
| | 86199 | Biogeography | | |
| Choose Any One of the Following Papers | | | | |
| VIII | 86201 | Settlement Geography | 15-06-2023 Thursday | |
| | 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 | Evening |
| V | 81148 | Geohydrology and Oceanography | 12-06-2023 Monday | 02:30 P.M. To 05:30 P.M. |
| VI | 81149 | Fundamentals of Remote Sensing and Digital Image Processing | 13-06-2023 Tuesday | |
| Choose Any One of the Following Papers | | | | |
| VII | 81150 | Geography of Environment | 14-06-2023 Wednesday | |
| | 81151 | Biogeography | | |
| Choose Any One of the Following Papers | | | | |
| VIII | 81152 | Settlement Geography | 15-06-2023 Thursday | |
| | 81153 | Geography of India | | |
| | 81154 | Political Geography | | |

| Branch Code- Geography (C.B.C.S.) | | | From April--2023 | |
|--|------------|---|-------------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| IX | 86205 | Development of Modern Geographical Thought | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| X | 86206 | Regional Planning and Development | 13-06-2023 Tuesday | |
| Choose Any One Of The Following Papers | | | | |
| XI | 86210 | Fundamentals and Application of GIS and GPS | 14-06-2023 Wednesday | |
| | 86211 | Fundamental of Soil Geography | | |
| Choose Any One Of The Following Papers | | | | |
| XII | 86212 | Geography of Health and Nutrition | 15-06-2023 Thursday | |
| | 86213 | Tourism Geography | | |
| | 86214 | Agricultural Geography | | |

| Branch Code- Geography (C.B.C.S.) | | | | From April--2021 |
|--|------------|---|-------------------------|--|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | Morning |
| IX | 82982 | Development of Modern Geographical Thought | 12-06-2023 Monday | 10:30 A.M. To 01:30 P.M. |
| X | 82983 | Regional Planning and Development | 13-06-2023 Tuesday | |
| Choose Any One Of The Following Papers | | | | |
| XI | 82984 | Fundamentals and Application of GIS and GPS | 14-06-2023 Wednesday | |
| | 82985 | Fundamental of Soil Geography | | |
| Choose Any One Of The Following Papers | | | | |
| XII | 82986 | Agricultural Geography | 15-06-2023 Thursday | |
| | 82987 | Tourism Geography | | |
| | 82988 | Geography of Health and Nutrition | | |

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.

Vidyanagar,
Kolhapur – 416 004
Date :- 18 May 2023

Sd/-
Dr. Ajitsinh. N. Jadhav
DIRECTOR
BOARD OF EXAMINATIONS AND EVALUATION