



C . B . C . S .

M.A./M.Sc. (Maths & Geog.),

&

M.Sc. Tech (Maths),

Examination

DRAFT PROGRAMME

of

April-2019

SHIVAJI UNIVERSITY, KOLHAPUR
Circular No-(90) Exam. Of March/April-2019 EXAM

- Draft Programme of the M.A./M.Sc.(Maths, Geography & M.Sc Tech.), M.Sc (Mathematics, Physics, Statistics, Applied Statistics & Informatics, Environmental Science, Food Science & Technology, Acohol Technology, Sugar Technology, Industrial Microbiology), Choose Base Credit System [C.B.C.S.] Examination to be held in **March/April-2019. Exam.**
- The Written Examination will be held at following center and Places delared:-

| Sr.No | Center | College Code | Exam | Places |
|-------|---------------|--------------|--|--|
| 1 | KOLHAPUR | 549 | M.A./M.Sc. Mathematics & M.Sc Tech Mathematics | Department of Mathematics, Shivaji University KOLHAPUR. |
| | | 573 | M.A./M.Sc. Mathematics | Department of Distance Education, KOLHAPUR |
| | | 547 | M.sc Physics | Department of Physics, Shivaji University KOLHAPUR. |
| | | 550 | M.Sc Statistics & Applied Statistics and Information | Department of Statistics, Shivaji University KOLHAPUR |
| | | 551 | M.Sc Environmental Science | Department of Enviromental Science, KOLHAPUR |
| | | 571 | M.Sc Food Science & Technology | Department of Food Science & Technology, KOLHAPUR |
| | | 540 | M.A./M.Sc Geography | Department of Geography, Shivaji University KOLHAPUR. |
| | | 1 | M.A./M.Sc. Mathematics, Physics | Vivekanand College, KOLHAPUR |
| | | 50 | M.A./M.Sc. Mathematics | Yashwantrao Chavan Warna Mahavidyalaya, WARNANAGAR |
| | | 48 | M.Sc Physics | Devchand College, ARJUNNAGAR |
| 2 | URUN ISLAMPUR | 90 | M.A./M.Sc. Mathematics | Karmveer Bhaurao Patil College, URUN – ISLAMPUR. |
| | | 88 | M.Sc. Physics | Smt. Kusumtai Rajarambapu Patil, Kanya Mahavidyalaya |
| | | 444 | M.Sc Acohol Technology & Sugar Technology | Rajarambapu College of Sugar Technology, URUN-ISLAMPUR |
| 3 | SANGLI | 78 | M.Sc. Physics | Smt. Kasturabi Walchand College of Arts & Science, SANGLI. |
| | | 80 | M.A./M.Sc. Mathematics | Willingdon College, SANGLI |
| | | 94 | M.Sc. Physics | Raje Ramrao Mahavidyalaya, JATH |
| | | 92 | M.A./M. Sc. Geography, Statistics | Padm. Bhushan Dr. Vasantraodada Patil Mahavidyalaya, TASGAON |
| 4 | KARAD | 156 | M.A./M. Sc. Geography, M.A./M.Sc. Mathematics, Industrial Microbiology, Statistics | Sadguru Gadage Maharaj College, KARAD |
| | | 153 | M.A./M. Sc. Geography | Mahila Mahavidyalaya, KARAD |
| 5 | SATARA | 259 | M.A./M.Sc Geography | Chhatrapati Shivaji College, SATARA |
| | | 149 | M.sc Physics, Statistics & Mathematics | Yashwantrao Chavan Institute of Science, SATARA. |
| | | 173 | M.A./M.Sc Geography | Raja Shripatrao Bhagawantrao Mahavidyalaya, AUNDH |

NOTE:- (In case of any Query found in respective Question Paper, student shall communicate the same through principal/ Senior Supervisor within 7 days from the date of concerned Question Paper to, Deputy Registrar, Appoinment Section, Room no 205, Exam Building No.1 Shivaji University, Kolhapur 416 004)

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

Exam Center & College Code :- (Kolhapur-549,573,1 & 50 Sangli-80, Karad-156, Urun Islampur-90, Satara-149.)

| Branch Code | | - MATHEMATICS (C.B.C.S.) | | Last Chance. April-2019 |
|----------------|------------|----------------------------|-----------------------|---------------------------------|
| Part I - Sem I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 59827 | Algebra | Friday – 12.04.2019 | From 11.00.AM To 02.00 PM |
| II | 59831 | Classical Mechanics | Saturday – 04.05.2019 | |
| IV | 59829 | Real Analysis | Saturday – 11.05.2019 | |
| III | 59830 | Differential Equations | Thursday – 09.05.2019 | |
| V | 59828 | Advanced Calculus | Tuesday – 07.05.2019 | |

| Branch Code | | - MATHEMATICS (C.B.C.S.) | | (Revised From Oct-2018) |
|----------------|------------|---------------------------------|-----------------------|---------------------------------|
| Part I - Sem I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71415 | Advance Calculus | Tuesday – 07.05.2019 | From 11.00.AM To 02.00 PM |
| II | 71416 | Linear Algebra | Friday – 26.04.2019 | |
| IV | 71417 | Complex Analysis | Thursday – 02.05.2019 | |
| III | 71418 | Classical Mechanics | Saturday – 04.05.2019 | |
| V | 71419 | Ordinary Differential Equations | Thursday – 09.05.2019 | |

| Branch Code | | - MATHEMATICS (C.B.C.S.) | | From April-2015 |
|------------------|------------|----------------------------|-----------------------|---------------------------------|
| Part I :- Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 61382 | Topology | Monday – 08.04.2019 | From 11.00.AM To 02.00 PM |
| VII | 69566 | Numerical Analysis | Wednesday– 10.04.2019 | |
| VI | 61385 | Differential Geometry | Monday – 29.04.2019 | |
| VIII | 61383 | Complex Analysis | Thursday – 02.05.2019 | |
| X | 61381 | Liner Algebra | Friday – 26.04.2019 | |

| Branch Code | | - MATHEMATICS (C.B.C.S.) | | (Revised From April-2019) |
|------------------|------------|--------------------------------|-----------------------|---------------------------------|
| Part I :- Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 71423 | Genral Topology | Monday – 08.04.2019 | From 11.00.AM To 02.00 PM |
| VII | 71424 | Numerical Analysis | Wednesday– 10.04.2019 | |
| VI | 71422 | Algebra | Friday – 12.04.2019 | |
| VIII | 71421 | Functional Analysis | Tuesday – 16.04.2019 | |
| X | 71425 | Partial Differential Equations | Saturday – 20.04.2019 | |

| Branch Code | | - MATHEMATICS (C.B.C.S.) | | From Oct. 2014 |
|--------------------|------------|-------------------------------|-----------------------|--------------------------------|
| Part II :- Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XI | 63303 | Functional Analysis | Saturday – 04.05.2019 | From 3.00.PM To 06.00 PM |
| XII | 63304 | Advanced Discrete Mathematics | Monday – 29.04.2019 | |

| Paper No. – XIII, XIV & XV – Choose any Three of the following | | | | |
|--|---------------|-----------------------------|------------------------|--------------------------------|
| | 63336 | Integral Equation | Friday – 12.04.2019 | From 3.00.PM To 06.00 PM |
| | 63308 | Commutative Algebra – I | Saturday-20.04.2019 | |
| | 63316 | Operation Research - I | Friday – 26.04.2019 | |
| | 63313 | Lattice Theory – I | Tuesday-16.04.2019 | |
| | 63307 | Number Theory | Monday – 08.04.2019 | |
| | 63312 | Riemannian Geometry -I | Wednesday – 10.04.2019 | |
| | 63305 | Fluid Dynamics - I | | |
| | 63315 | General Relativity – I | Tuesday -07.05.19 | |
| | 63309 | Approximation Theory | Thursday – 02.05.2019 | |
| | 63314 | Fuzzy Mathematics – I | Thursday -09.05.2019 | |
| | 63317 | Dynamical Systems – I | Saturday -11.05.19 | |
| Add on CBCS | 70813/[60850] | <u>Web Designing</u> | | |

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

Exam Center & College Code :- (Kolhapur-549,573,1 & 50 Sangli-80, Karad-156, Urun Islampur-90, Satara-149,)

| Branch Code - MATHEMATICS (C.B.C.S.) | | | | (From April-2015) |
|--|------------|-----------------------------------|-----------------------|--------------------------------|
| Part II :- SEM-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XVI | 69567 | Field Theory | Tuesday – 09.04.2019 | From 3.00.PM To 06.00 PM |
| XVII | 63319 | Partial Differential Equations | Thursday – 18.04.2019 | |
| Paper No. – XVIII, XIX & XX – Choose any Three of the following | | | | |
| | 63335 | Fractional Differential Equations | Monday – 15.04.2019 | From 3.00.PM To 06.00 PM |
| | 63322 | Commutative Algebra – II | Thursday -11.04.2019 | |
| | 63327 | Wavelet Analysis | Thursday -25.04.2019 | |
| | 63331 | Dynamical Systems- II | | |
| | 63328 | Fuzzy Relation And Logic | | |
| | 63325 | Riemannian Geometry -II | Saturday -27.04.2019 | |
| | 63329 | Computational Fluid Dynamics | Friday -03.05.2019 | |
| | 63323 | Operations Research –II | | |
| | 63334 | Algebraic Number Theory | Friday -10.05.2019 | |
| | 63330 | General Relativity II | Monday -06.05.2019 | |
| | 63324 | Lattice Theory –II | Wednesday -08.05.19 | |
| | 63320 | Combinatorics | Tuesday -30.04.2019 | |

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

Exam Center & College Code :- (Kolhapur-547 & 1, Urun-Islampur-88, Sangli-78 & 94, Satara-149)

| Branch Code - PHYSICS (C.B.C.S.) | | | | Last Chance. April-2019 |
|-----------------------------------|--------------|---------------------------------|----------------------|---------------------------------|
| Part I :- Semester I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 59749 | Mathematical Methods in Physics | Thursday- 25.04.2019 | From 11.00 AM To 02.00 PM |
| II | 59748 | Classical Mechanics | Saturday- 27.04.2019 | |
| III | 59746 | Quantum Mechanics I | Monday- 29.04.2019 | |
| IV | 59747 | Condensed Matter Physics | Thursday- 02.05.2019 | |
| | 59750 | Practical - I | <i>Internal Exam</i> | |
| | 59751 | Practical - II | | |

| Branch Code - PHYSICS (C.B.C.S.) | | | | (Revised From Oct-2018) |
|-----------------------------------|--------------|--|----------------------|---------------------------------|
| Part I :- Semester I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71428 | Mathematical Physics | Thursday- 25.04.2019 | From 11.00 AM To 02.00 PM |
| II | 71429 | Classical Mechanics | Saturday- 27.04.2019 | |
| III | 71430 | Quantum Mechanics-I | Monday- 29.04.2019 | |
| IV | 71431 | Condensed Matter Physics | Thursday- 02.05.2019 | |
| | 71433 | Laboratory/ Practical Course-I(LAB-I) | <i>Internal Exam</i> | |
| | 71434 | Laboratory/ Practical Course-II(LAB-II) | | |

| Branch Code - PHYSICS (C.B.C.S.) | | | | From April-2014 |
|-----------------------------------|--------------|----------------------------|----------------------|---------------------------------|
| Part I :- Semester II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 61301 | Quantum Mechanics II | Friday- 26.04.2019 | From 11.00 AM To 02.00 PM |
| VI | 61302 | Statistical Mechanics | Tuesday-30.04.2019 | |
| VII | 61303 | Electrodynamics | Friday- 03.05.2019 | |
| VIII | 61304 | Atomic & Molecular Physics | Monday- 06.05.2019 | |
| | 61305 | Practical - III | <i>Internal Exam</i> | |
| | 61306 | Practical - IV | | |

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

Exam Center & College Code :- (Kolhapur-547 & 1, Urun-Islampur-88, Sangli-78 & 94, Satara-149)

| Branch Code - PHYSICS (C.B.C.S.) | | | | (Revised From April-2019) |
|-----------------------------------|--------------|----------------------------|----------------------|---------------------------------|
| Part I :- Semester II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 72950 | Quantum Mechanics | Friday- 26.04.2019 | From 11.00 AM To 02.00 PM |
| VI | 72951 | Statistical Mechanics | Tuesday-30.04.2019 | |
| VII | 72952 | Electrodynamics | Friday- 03.05.2019 | |
| VIII | 72953 | Atomic & Molecular Physics | Monday- 06.05.2019 | |
| | 72954 | Practical - III | <i>Internal Exam</i> | |
| | 72961 | Practical - IV | | |

| Branch Code - PHYSICS (C.B.C.S.) | | | | From Oct. 2015 |
|--|--|--|----------------------|---------------------------------|
| Part II :- Semester III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 64101 | Nuclear and Particle Physics | Thursday- 25.04.2019 | From 03.00.PM To 06.00 PM |
| | Paper No. X – Choose Any One Of The Following Paper | | Saturday- 27.04.2019 | From 03.00.PM To 06.00 PM |
| Choice Base Paper (Any One) X | 64102 | Data Analysis and Statistical Software | | |
| | 64103 | Numerical Computing Using MATLAB | | |
| | 64526 | Computational Programming using Mathematica | | |
| Paper No. XI – Choose Any One of The Following Subject XI | 64104 | Energy Science – I (The New Energy Technologies) | Monday- 29.04.2019 | From 03.00.PM To 06.00 PM |
| | 64105 | Material Science – I (Imperfection in Crystals) | | |
| | 64106 | Modern Optics – I (Laser Physics) | | |
| | 64107 | Space Science – I (Windows to the Uni.,S.S.,Planetary Atmospheres) | | |
| | 64108 | Solid State Physics – I (Thin Solid Films:Deposition and Properties) | | |
| | 64109 | Theoretical Physics –I (Relativistic Quantum Mechanics.) | | |
| Paper No. XII – Choose Any One of The Following Subject | 64110 | Energy Science – II (Solar Thermal Devices) | Thursday- 02.05.2019 | From 03.00.PM To 06.00 PM |
| | 64111 | Material Science – II (Physics of metals and Alloys) | | |
| | 64112 | Modern Optics – II (Nonlinear Optics and Fiber Optics) | | |
| | 64113 | Space Science – II (Astrophysics of the Sun) | | |
| | 64114(Old) | Solid State Physics – II (Semiconductor Devices) | | |
| | 64115 | Theoretical Physics –II (Quantum Field Theory – I) | | |
| | 66764(New) | Solid State Physics-II (Semiconductor Physics) | | |
| PRACTICAL V | 64421, | 1. Energy Science Project Work I | <i>Internal Exam</i> | |
| | 64422, | 2. Materials Science Project Work I | | |
| | 64424, | 3. Modern Optics Project Work I | | |
| | 64425, | 4. Space Science Project Work I | | |
| | 64423, | 5. Solid State Physics Project Work I | | |
| | 64426 | 6. Theoretical Physics Project Work I | | |
| PRACTICALVI | 64427, | 1. Energy Science Lab Work I | | |
| | 64428, | 2. Materials Science Lab Work I | | |
| | 64430, | 3. Modern Optics Lab Work I | | |
| | 64431, | 4. Space Science Lab Work I | | |
| | 64429, | 5. Solid State Physics Lab Work I | | |
| | 64432 | 6. Theoretical Physics Lab Work I | | |

M.Sc. Physics [C.B.C.S.- ADD ON]

| Branch Code - PHYSICS (C.B.C.S.) ADD ON | | | |
|--|--|------------|---------------------|
| Part II :- Semester III | | | |
| PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| 64678/[59783] | Principles of Food Processing & Preservation | | 10.30.AM To 1.30 PM |
| 68286 | Thin Film Deposition Technology | | |
| 66692/[60850] | Web Designing | | 02.30.PM To 5.30 PM |
| 70759/[58970] | Society and Culture of Maharashtra | | |

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

Exam Center & College Code :- (Kolhapur-547 & 1, Urun-Islampur-88, Sangli-78 & 94, Satara-149)

| Branch Code - PHYSICS (C.B.C.S.) | | | From-(Oct-2015) | |
|--|--|--|------------------------|--------------------------------|
| Part II :- Semester IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XIII | 65031 | Experimental Techniques | Friday- 26.04.2019 | From 3.00.PM To 06.00 PM |
| XIV Choice Base Paper (Any One Paper) | PAPER NO. XIV:- Choose Any One Of The Following Paper | | Tuesday- 30.04.2019 | From 3.00.PM To 06.00 PM |
| | 65141 | Electronic Devices | | |
| | 65062 | Computational Methods And Programming | | |
| | 65063 | Special Materials | | |
| Paper No. XV – Choose Any One of The Following | 65032 | Energy Science –III (Renewable Energy Resources) | Friday- 03.05.2019 | From 3.00.PM To 06.00 PM |
| | 65033 | Material Science – III (Mechanical Properties and Liquid Crystals) | | |
| | 65035 | Modern Optics – III (Laser and its Applications) | | |
| | 65036 | Space Science – III (Solar Wind and its Interaction with Planets and Satellites) | | |
| | 65034 | Solid State Physics – III (Physical Properties of Solids) | | |
| | 65037 | Theoretical Physics –III (Interaction of Electromagnetic Waves with Electron Beams and Plasmas) | | |
| Paper No. XVI – Choose Any One of The Following Subject | 65039 | Energy Science – IV (Energy Conversion Devices) | Monday- 06.05.2019 | From 3.00.PM To 06.00 PM |
| | 65040 | Material Science – IV (Special Materials) | | |
| | 65042 | Modern Optics – IV (Holography) | | |
| | 65043 | Space Science – IV (Solar terrestrial Physics & Space Applications) | | |
| | 65041(Old) | Solid State Physics – IV (Semiconductor Physics) | | |
| | 65038 | Theoretical Physics –IV (Quantum Field Theory-2) | | |
| | 66765(New) | Solid State Physics-IV (Energy Conversion & Storage Devices) | | |
| PRACTICAL VII | 65056 | 1. Energy Science Project Work II | <i>Internal Exam</i> | |
| | 65058 | 2. Materials Science Project Work II | | |
| | 65059 | 3. Modern Optics Project Work II | | |
| | 65060 | 4. Space Science Project Work II | | |
| | 65057 | 5. Solid State Physics Project Work II | | |
| | 64132 | 6. Theoretical Physics Project Work II | | |
| PRACTICAL VIII | 65050 | 1. Energy Science Lab Work II | | |
| | 65051 | 2. Materials Science Lab Work II | | |
| | 65053 | 3. Modern Optics Lab Work II | | |
| | 65054 | 4. Space Science Lab Work II | | |
| | 65052 | 5. Solid State Physics Lab Work II | | |
| | 65055 | 6. Theoretical Physics Lab Work II | | |

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

Exam Center & College Code :- (Kolhapur-550, Sangli-92 & Satara-149)

| Branch Code - STATISTICS (C.B.C.S.) | | | | From Oct-2016 |
|--------------------------------------|--------------|------------------------------|----------------------|---------------------------------|
| | | Part I :- Sem.-I | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68228 | Statistical Mathematics – I | Thursday-25.04.2019 | From 03.00 PM To 06.00 PM |
| II | 68229 | Statistical Mathematics – II | Saturday-27.04.2019 | |
| III | 68230 | Distribution Theory | Monday- 29.04.2019 | |
| IV | 68231 | Estimation Theory | Thursday-02.05.2019 | |
| V | 68232 | Statistical Computing | Saturday-04.05.2019 | |
| | 68234 | Practical - I | <i>Internal Exam</i> | |

| Branch Code - STATISTICS (C.B.C.S.) | | | | From April-2017 |
|--------------------------------------|--------------|---------------------------------------|----------------------|---------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| VI | 69598 | Probability Theory | Friday- 26.04.2019 | From 11.00 AM To 02.00 PM |
| VII | 69599 | Theory of Testing of Hypothesis | Tuesday-30.04.2019 | |
| VIII | 69600 | Multivariate Analysis | Friday- 03.05.2019 | |
| IX | 69601 | Linear Models & Design of Experiments | Monday-06.05.2019 | |
| X | 69602 | Sampling Theory | Wednesday-08.05.2019 | |
| | 69603 | Practical - II | <i>Internal Exam</i> | |

| Branch Code - STATISTICS (C.B.C.S.) | | | | From Oct-2017 |
|--------------------------------------|---|---|----------------------|---------------------------------|
| | | Part II :- Sem.-III | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XI | 69604 | Asymptotic Inference | Friday- 26.04.2019 | From 03.00 PM To 06.00 PM |
| XII | 69605 | Elementary Stochastic Processes | Tuesday-30.04.2019 | |
| XIII | 69606 | Planning and Analysis of Industrial Experiments | Friday- 03.05.2019 | |
| | Paper No. XIV & XV :- Choose Any Two of the Following Papers | | | |
| | 69609 | Reliability Theory | Monday-06.05.2019 | From 03.00 PM To 06.00 PM |
| | 69614 | Statistical Methods in Clinical Trials | | |
| | 69610 | Regression Analysis | Wednesday-08.05.2019 | |
| | 69608 | Practical - III | <i>Internal Exam</i> | |

| Branch Code - STATISTICS (C.B.C.S.) | | | | From April-2018 |
|--------------------------------------|---|--|----------------------|---------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XVI | 71107 | Optimization Techniques (OT) | Thursday-25.04.2019 | From 11.00 AM To 02.00 PM |
| | Paper No. XVII & XX :- Choose Any Four of the Following Papers | | | |
| | 71109 | Generalized Linear Models | Saturday-27.04.2019 | From 11.00 AM To 02.00 PM |
| | 71110 | Survival Analysis(SA) | Monday- 29.04.2019 | |
| | 71111 | Data Mining (DM) | Thursday-02.05.2019 | |
| | 71112 | Statistical Quality Control | Saturday-04.05.2019 | |
| | 71113 | Time Series Analysis (TSA) | Tuesday-07.05.2019 | |
| | 71108 | Practical IV and Project(P&P) | <i>Internal Exam</i> | |

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

Exam Center & College Code :- (Kolhapur-550)

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | Last Chance. April-2019 |
|--|--------------|---|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 61055 | Fundamentals of Computer Programming | Thursday-25.04.2019 | From 03.00 PM To 06.00 PM |
| II | 61056 | Statistical Mathematics | Saturday-27.04.2019 | |
| III | 61057 | Probability Distributions | Monday- 29.04.2019 | |
| IV | 61058 | Statistical Inference | Thursday-02.05.2019 | |
| V | 61059 | Statistical Computing and Numerical Methods | Saturday-04.05.2019 | |
| | 61060 | Practical - I | <i>Internal Exam</i> | |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | (Revised From Oct-2018) |
|--|--------------|--------------------------------------|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71445 | Fundamentals of Computer Programming | Thursday-25.04.2019 | From 03.00 PM To 06.00 PM |
| II | 71446 | Statistical Mathematics | Saturday-27.04.2019 | |
| III | 71447 | Distribution Theory | Monday- 29.04.2019 | |
| IV | 71448 | Estimation Theory | Thursday-02.05.2019 | |
| V | 71449 | Statistical Computing | Saturday-04.05.2019 | |
| | 71450 | Communication Skills | <i>Internal Exam</i> | |
| | 71451 | Practical-I(PRACT-I) | <i>Internal Exam</i> | |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From April-2014 |
|--|--------------|---|-----------------------|---------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| VI | 61505 | Advanced Data Structure with C++ | Friday- 26.04.2019 | From 11.00 AM To 02.00 PM |
| VII | 61501 | Probability Theory | Tuesday-30.04.2019 | |
| VIII | 61502 | Multivariate Analysis | Friday- 03.05.2019 | |
| IX | 61504 | Linear Models and Design of Experiments | Monday-06.05.2019 | |
| X | 61503 | Sampling Theory | Wednesday- 08.05.2019 | |
| | 61506 | Practical - II | <i>Internal Exam</i> | |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | (Revised From April-2019) |
|--|--------------|--|-----------------------|---------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| VI | 72955 | Advanced Data Structure with C++ | Friday- 26.04.2019 | From 11.00 AM To 02.00 PM |
| VII | 72956 | Theory of Testing of Hypotheses | Tuesday-30.04.2019 | |
| VIII | 72957 | Multivariate Analysis | Friday- 03.05.2019 | |
| IX | 72958 | Linear Models of design of Experiments | Monday-06.05.2019 | |
| X | 72959 | Sampling Theory | Wednesday- 08.05.2019 | |
| | 72960 | Practical - II | <i>Internal Exam</i> | |

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From Oct. 2014 |
|--|--------------|-----------------------------------|-----------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XI | 64532 | Stochastic Processes | Friday- 26.04.2019 | From 03.00.PM To 06.00 PM |
| XII | 64533 | Computer Graphics | Tuesday-30.04.2019 | |
| XIII | 64534 | Regression Analysis | Friday- 03.05.2019 | |
| XIV | 64537 | Data Base Management System | Monday-06.05.2019 | |
| XV | 64538 | Reliability and Survival Analysis | Wednesday- 08.05.2019 | |
| | 64541 | Practical - III | <i>Internal Exam</i> | |

M.Sc. Applied Statistics & Informatics [C.B.C.S.]
Exam Center & College Code :- (Kolhapur-550)

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From April-2015 |
|--|------------|------------------------------------|----------------------|---------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XVI | 65070 | Optimization Techniques | Thursday-25.04.2019 | From 11.00 AM To 02.00 PM |
| XVII | 65071 | Discrete Data Analysis | Saturday-27.04.2019 | |
| XVIII | 65073 | Time Series Analysis | Monday- 29.04.2019 | |
| XIX | 65075 | Industrial Statistics | Thursday-02.05.2019 | |
| XX | 65077 | Data Warehousing and Data Mining | Saturday-04.05.2019 | |
| | 65072 | Practical –IV & Project | <i>Internal Exam</i> | |

M.Sc. Environmental Science (C.B.C.S.)
Exam Center & College Code :- (Kolhapur-551)

| Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | From Oct. 2013 |
|---|------------|---|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 59770 | Introduction to Environmental Science | Wednesday-03.04.2019 | From 03.00.PM To 06.00 PM |
| II | 59771 | Environmental Chemistry | Friday- 05.04.2019 | |
| III | 59772 | Environmental Biology | Thursday-09.04.2019 | |
| IV | 59773 | Information Technology in Environmental Science | Monday-11.04.2019 | |
| | 59775 | Practical - I | <i>Internal Exam</i> | |
| | 59776 | Practical – II | | |

| Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | From April-2014 |
|--|------------|---|----------------------|---------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 61325 | Environmental Engineering | Tuesday-02.04.2019 | From 11.00 AM To 02.00 PM |
| VI | 61326 | Environmental Pollution and Control | Thursday-04.04.2019 | |
| VII | 61327 | Environmental Geoscience and Climatology | Monday-08.04.2019 | |
| VIII | 61328 | Environmental Monitoring and Energy Studies | Wednesday-10.04.2019 | |
| | 61329 | Practical - III | <i>Internal Exam</i> | |
| | 61330 | Practical - IV | | |

| Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | From Oct. 2014 |
|--|------------|---|-----------------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 64165 | Natural Resources and their Management | Tuesday-02.04.2019 | From 03.00.PM To 06.00 PM |
| X | 64166 | Environmental Statistics and Computer Applications | Thursday-04.04.2019 | |
| XI | 64167 | Environmental Policy and legislation | Monday-08.04.2019 | |
| XII | 64168 | Environmental Toxicology and Public Health | Wednesday-10.04.2019 | |
| | 64648 | Vermicomposting | <i>Internal Exam</i> | |
| | 64170 | Project | <i>Internal Exam</i> | |
| | 64171 | Practical VI – (Environmental Statistics and Toxicology) | | |

| Branch Code - ENVIRONMENTAL SCIENCE (C.B.C.S.) | | | | From April-2015 |
|--|------------|---|----------------------|---------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XIII | 65019 | Socio- Economic Aspects of Environment | Wednesday-03.04.2019 | From 11.00 AM To 02.00 PM |
| XIV | 65020 | Environmental Hazards and Disaster Management | Friday- 05.04.2019 | |
| XV | 65021 | Environmental Planning and Management | Thursday-09.04.2019 | |
| XVI | 65022 | Environmental Biotechnology | Monday-11.04.2019 | |
| | 65023 | Practical VII | <i>Internal Exam</i> | |
| | 65024 | Practical VIII | | |

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

Exam Center & College Code :- (Kolhapur-571)

| Branch Code - FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From Oct. 2013 |
|---|------------|--|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 59783 | Principles of Food Processing & Preservation | Tuesday- 16.04.2019 | From 03.00 PM To 06.00 PM |
| II | 59784 | Food Microbiology | Saturday- 20.04.2019 | |
| III | 59785 | Food Chemistry | Friday- 26.04.2019 | |
| IV | 59786 | Biochemistry & Nutrition | Monday- 29.04.2019 | |
| | 59787 | Practical I | <i>Internal Exam</i> | |
| | 59788 | Practical II | | |

| Branch Code - FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From April-2014 |
|---|------------|--------------------------------|----------------------|--------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 61337 | Fruit and Vegetable Technology | Thursday- 25.04.2019 | From 11.00 AM To 2.00 PM |
| VI | 61338 | Principles of Food Engineering | Monday- 15.04.2019 | |
| VII | 61339 | Cereal and Legume Technology | Thursday- 18.04.2019 | |
| VIII | 61340 | Fermentation Technology | Saturday- 27.04.2019 | |
| | 61341 | Practical III | <i>Internal Exam</i> | |
| | 61342 | Practical IV | | |

| Branch Code - FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From Oct. 2014 |
|---|------------|---|----------------------|---------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 64191 | Technology of Meat, Fish & Poultry Products | Monday- 15.04.2019 | From 03.00.PM To 06.00 PM |
| X | 64192 | Technology of Milk & Milk Products | Thursday- 18.04.2019 | |
| XI | 64193 | Food Quality & Safety Management | Thursday- 25.04.2019 | |
| XII | 64194 | Food Additives, Contaminants & Toxicology | Saturday- 27.04.2019 | |
| | 64195 | Laboratory Course – V | <i>Internal Exam</i> | |
| | 64196 | Laboratory Course – VI | | |

| Branch Code - FOOD SCIENCE & TECHNOLOGY (C.B.C.S.) | | | | From April-2015 |
|---|------------|---|----------------------|--------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XIII | 65134 | Food Packaging | Friday- 26.04.2019 | From 11.00 AM To 2.00 PM |
| XIV | 65135 | Technology of Oilseeds & Fats | Saturday- 20.04.2019 | |
| XV | 65136 | Food Biotechnology | Monday- 29.04.2019 | |
| XVI | 65137 | Post-Harvest Technology of Plantation Crops | Tuesday- 16.04.2019 | |
| | 65138 | Laboratory Course – VII | <i>Internal Exam</i> | |
| | 65139 | Laboratory Course – VIII | | |

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

Exam Center & College Code :- (Urun Islampur-444)

| Branch Code - Alcohol Technology (C.B.C.S.) | | | | From May- 2017 |
|---|--------------|---|----------------------|---------------------------------|
| Part I - Sem I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68596 | Organic Chemistry | Monday-15.04.2019 | From 11.00 AM To 02.00 PM |
| II | 68597 | Basic of Fermentation | Tuesday-16.04.2019 | |
| III | 68598 | Alcohol Technology - I | Thursday-18.04.2019 | |
| IV | 68599 | Microbiology – I | Saturday-20.04.2019 | |
| Parctical | 68600 | Alcohol Technology Parctical – I | <i>Internal Exam</i> | |
| | 68601 | Microbiology Parctical - I | | |

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

Exam Center & College Code :- (Urun Islampur-444)

| Branch Code - Alcohol Technology (C.B.C.S.) | | | | From Oct- 2017 |
|---|------------|--|---------------------|--------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68602 | Bio-Chemistry (BICHEM) | Monday-15.04.2019 | From 3.00.PM To 06.00 PM |
| II | 68603 | Fermentation Technology - II(FERTECH2) | Tuesday-16.04.2019 | |
| III | 68604 | Alcohol Technology - II(ALCTECH2) | Thursday-18.04.2019 | |
| IV | 68605 | Microbiology - II(MICRO2) | Saturday-20.04.2019 | |
| Parctical | 68606 | Alcohol Technology-II(ALCTECHP2) | Internal Exam | |
| | 68607 | Microbiology-II(MICRO2) | | |

| Branch Code - Alcohol Technology (C.B.C.S.) | | | | From March- 2018 |
|---|---|--|---------------------|---------------------------------|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68636 | Alcohol Technology-III | Thursday-25.04.2019 | From 11.00 AM To 02.00 PM |
| II | 68637 | Microbiology III | Friday-26.04.2019 | |
| III | 68638 | Fermentation Technology-III | Monday-29.04.2019 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | | |
| | 68639 | Industrial waste treatments & Environmental management | Tuesday-30.04.2019 | |
| | 68640 | Sugar Technology (ST) | | |
| | 68641 | Instrumentation & Automation in Distillery. | | |
| Parctical | 68642 | Alcohol Technology Practical III(ATPRA3) | Internal Exam | |
| | 68643 | Microbiology III(MICROPRA3) | | |

| Branch Code - Alcohol Technology (C.B.C.S.) | | | | (From Oct-2018) |
|---|---|---|---------------------|--------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68644 | Alcohol & Beverages production from grain and other sources | Thursday-25.04.2019 | From 3.00.PM To 06.00 PM |
| II | 68645 | Production of ENA, ETHNOL & IMFL | Friday-26.04.2019 | |
| III | 68646 | Chemical Engineering | Monday-29.04.2019 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | | |
| | 68647 | General Engineering | Tuesday-30.04.2019 | |
| | 68648 | Pollution Prevention & Control | | |
| | 68649 | Business management & marketing | | |
| Parctical | 68650 | Technical Easy on Elective Subject | Internal Exam | |
| | 68651 | Inplant Training | | |

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

Exam Center & College Code :- (Urun Islampur-444)

| Branch Code- Sugar Technology (C.B.C.S.) | | | | From May-2017 |
|--|------------|--------------------------------|---------------------|---------------------------------|
| Part I - Sem I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68608 | Sugar Cane Agriculture | Monday-15.04.2019 | From 11.00 AM To 02.00 PM |
| II | 68609 | Sugar Processing-Clarification | Tuesday-16.04.2019 | |
| III | 68610 | Sugar Engineering-Milling | Thursday-18.04.2019 | |
| IV | 68611 | Chemical Control | Saturday-20.04.2019 | |
| Parctical | 68612 | Sugar Cane Agriculture | Internal Exam | |
| | 68613 | Sugar Technology-1 | | |

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

Exam Center & College Code :- (Urun Islampur-444)

| Branch Code- Sugar Technology (C.B.C.S.) | | | | From Oct-2017 |
|--|------------|---|----------------------|--------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68614 | Sugar Chemistry(SUCHEM) | Monday-15.04.2019 | From 3.00.PM To 06.00 PM |
| II | 68615 | Sugar Processing-Evaporation(SPEVA) | Tuesday-16.04.2019 | |
| III | 68616 | Sugar Engineering-Steam & Power Generation(SEEPG) | Thursday-18.04.2019 | |
| IV | 68617 | Equipment Design and Drawing(EDD) | Saturday-20.04.2019 | |
| Parctical | 68618 | Sugar Chemistry (Practical)(SCHEM) | <i>Internal Exam</i> | |
| | 68619 | Sugar Technology-II(SUTECH) | | |

| Branch Code - Sugar Technology (C.B.C.S.) | | | | From March- 2018 |
|---|---|--|----------------------|---------------------------------|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68620 | Equipments Capacity Calculation(ECC) | Thursday-25.04.2019 | From 10.30 AM To 02.00 PM |
| II | 68621 | Sugar Processing-Crystallization(SPC) | Friday-26.04.2019 | |
| III | 68622 | Chemical Engineering-Heat & Momentum Transfer(CEHMT) | Monday-29.04.2019 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | Tuesday-30.04.2019 | |
| | 68623 | Alcohol Technology(ALCOTECH) | | |
| | 68624 | Bio-Chemical Engineering(BCE) | | |
| | 68625 | Electronics and Instrumention Engineering(EIE) | | |
| Parctical | 68626 | Sugar Technology III(ST3) | <i>Internal Exam</i> | |
| | 68627 | Practical on Elective Subject(PES) | | |

| Branch Code - Sugar Technology (C.B.C.S.) | | | | (From Oct-2018) |
|---|---|---|----------------------|---------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68628 | Sugar Processing-Finishing | Thursday-25.04.2019 | From 02.30 PM To 05.30 PM |
| II | 68629 | Raw & Refine Sugar Production | Friday-26.04.2019 | |
| III | 68630 | Chemical Engineering-Unit Operation | Monday-29.04.2019 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | Tuesday-30.04.2019 | |
| | 68631 | Energy Conversion and Cogeneration | | |
| | 68632 | Pollution Prevention and Control | | |
| | 68633 | Water Management and Zero Discharge | | |
| Parctical | 68634 | Technical Easy on Elective Subject (Self Study) | <i>Internal Exam</i> | |
| | 68635 | In Plant Training (Project Report) | | |

M.Sc Industrial Microbiology (C.B.C.S.)

Exam Center & College Code :- (Karad-156)

| Branch Code - Industrial Microbiology (C.B.C.S.) | | | | From Dec- 2017 |
|--|------------|--|----------------------|---------------------------------|
| Part I - Sem I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 70801 | Taxonomy and Cytology of Microorganisms(TCM) | Thursday-11.04.2019 | From 11.00.AM To 02.00 PM |
| II | 70802 | Virology(V) | Friday-12.04.2019 | |
| III | 70803 | Genetics and Molecular Biology(GMB) | Monday- 15.04.2019 | |
| IV | 70804 | Immunology(IMM) | Tuesday-16.04.2019 | |
| Parctical | 70805 | Practical Course- I(PC- I) | <i>Internal Exam</i> | |
| | 70806 | Practical Course- II(PC-II) | | |

M.Sc Industrial Microbiology (C.B.C.S.)

Exam Center & College Code :- (Karad-156)

| Branch Code - Industrial Microbiology (C.B.C.S.) | | | | From May- 2018 |
|--|------------|---|----------------------|---------------------------------|
| Part I - Sem II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71078 | Techniques in Microbiology(TM) | Thursday-18.04.2019 | From 11.00.AM To 02.00 PM |
| II | 71079 | Microbial Physiology, Biochemistry and Metabolism (MPB&M) | Saturday-20.04.2019 | |
| III | 71080 | Medical Microbiology(MM) | Thursday-25.04.2019 | |
| IV | 71081 | Microbial Ecology(ME) | Friday-26.04.2019 | |
| Parctical | 71082 | Practical Course-III(PC-III) | <i>Internal Exam</i> | |
| | 71083 | Practical Course-IV(PC-IV) | | |

| Branch Code - Industrial Microbiology (C.B.C.S.) | | | | (From Oct-2018) |
|--|------------|---|----------------------|--------------------------------|
| Part II - Sem III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71620 | Microbial Technology | Thursday-18.04.2019 | From 3.00.PM To 06.00 PM |
| II | 71621 | Fermentation technology-I | Saturday-20.04.2019 | |
| III | 71622 | Enzymology and Enzyme Technology | Thursday-25.04.2019 | |
| IV | 71623 | Entrepreneurship Development and Modern Management Practice | Friday-26.04.2019 | |
| Parctical | 71624 | Practical Course-V | <i>Internal Exam</i> | |
| | 71625 | Practical Course-VI | | |

| Branch Code - Industrial Microbiology (C.B.C.S.) | | | | (From April-2019) |
|--|------------|---------------------------------------|----------------------|--------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71626 | Fermentation Technology-II | Thursday-11.04.2019 | From 3.00.PM To 06.00 PM |
| II | 71627 | Food and Dairy Micrology | Friday-12.04.2019 | |
| III | 71628 | Quality Assurance and Industrial Laws | Monday- 15.04.2019 | |
| IV | 71629 | Industrial Waste Management | Tuesday-16.04.2019 | |
| Parctical | 7130 | Practical Course-VII | <i>Internal Exam</i> | |
| | 71631 | Practical Course-VIII | | |

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

Exam Center & College Code :- (Kolhapur-540, Sangli-92, Satara-259 & 173, Karad-153 & 156)

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | Last Chance. April-2019 |
|--------------------------------------|------------|---|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 59909 | Principles of Geomorphology | Monday- 08.04.2019 | From 11.00 AM To 02.00 PM |
| II | 59910 | Principles of Climatology | Wednesday-10.04.2019 | |
| III | 59911 | Economic Geography | Friday-12.04.2019 | |
| IV | 59912 | Geography of Population and Development | Monday-15.04.2019 | |
| | 59913 | Practical I | <i>Internal Exam</i> | |
| | 59914 | Practical II | | |

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | (Revised From Oct-2018) |
|--------------------------------------|------------|---|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 72008 | Fundamentals of Geomorphology | Monday- 08.04.2019 | From 11.00 AM To 02.00 PM |
| II | 72009 | Principles of Climatology | Wednesday-10.04.2019 | |
| III | 72010 | Economic Geography | Friday-12.04.2019 | |
| IV | 72011 | Geography of Population and Human Resourceh Development | Monday-15.04.2019 | |
| | 72012 | Practical in Geomorphology and Field Survey | <i>Internal Exam</i> | |
| | 72013 | Analysis of Socio-economic and Climatic Data | | |

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

Exam Center & College Code :- (Kolhapur-540, Sangli-92, Satara-259 & 173, Karad-153 & 156)

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | From April-2014 |
|-------------------------------------|--------------|-----------------------------|----------------------|--------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 61515 | Advanced Geomorphology | Monday- 08.04.2019 | From 3.00.PM To 06.00 PM |
| VI | 61516 | Applied Climatology | Wednesday-10.04.2019 | |
| VII | 61517 | Geography of India | Friday-12.04.2019 | |
| VIII | 61518 | Social & Cultural Geography | Monday-15.04.2019 | |
| | 61519 | Practical III | <i>Internal Exam</i> | |
| | 61520 | Practical IV | | |

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | (Revised From April-2019) |
|---|--------------|--|----------------------|--------------------------------|
| | | Part I :- Sem.-II | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 72942 | Applied Geomorphology | Monday- 08.04.2019 | From 3.00.PM To 06.00 PM |
| VI | 72943 | Applied Climatology and Climate Change | Wednesday-10.04.2019 | |
| Paper No.:- I – Choose Any One of the Following | | | | |
| VII | 72944 | Social and Cultural Geography | Friday-12.04.2019 | |
| | 72945 | Geography of India | | |
| Paper No.:- II – Choose Any One of the Following | | | | |
| VIII | 72946 | Geography of Health | Monday-15.04.2019 | |
| | 72947 | Political Geography | | |
| | 72948 | Practical III | <i>Internal Exam</i> | |
| | 72949 | Practical IV | | |

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | From Oct. 2014 |
|-------------------------------------|--|---|----------------------|---------------------------------|
| | | Part II :- Sem.-III | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| IX | 64604 | Regional Planning and Development | Tuesday-09.04.2019 | From 11.00 AM To 02.00 PM |
| X | 64605 | Fundamentals and Applications of Remote Sensing | Thursday-11.04.2019 | |
| XI | Paper No.:- XI – Choose Any One of the Following | | Tuesday-16.04.2019 | |
| | 64606 | Environmental Geography | | |
| | 64607 | Geography of Tourism | | |
| XII | Paper No. XII :- Choose Any One Of The Following Papers | | Thursday-18.04.2019 | |
| | 64608 | Surveying, Cartography & GIS | | |
| | 64609 | Political Geography | | |
| | 64610 | Practical V :- (Photogrammetry, Remote Sensing and GIS) | <i>Internal Exam</i> | |
| | 64611 | Practical VI :- (Quantitative Techniques & Computer Applications in Geo.) | | |

| Branch Code - GEOGRAPHY (C.B.C.S.) | | | | From April-2015 |
|-------------------------------------|--|---|----------------------|--------------------------------|
| | | Part II :- Sem.-IV | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XIII | 65005 | Development of Geographical Thought | Tuesday-09.04.2019 | From 3.00.PM To 06.00 PM |
| XIV | 65006 | Geohydrology & Oceanography | Thursday-11.04.2019 | |
| XV | Paper No.:- XI – Choose Any One of the Following | | Tuesday-16.04.2019 | |
| | 65009 | Agricultural Geography | | |
| | 65010 | Settlement Geography | | |
| XIV | Paper No. XII :- Choose Any One Of The Following Papers | | Thursday-18.04.2019 | |
| | 65011 | Biogeography | | |
| | 65012 | Medical Geography | | |
| | 65007 | Project - Research Methodology and Study Tour Report Writing | <i>Internal Exam</i> | |
| | 65008 | Project | | |

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

Exam Center & College Code :- (Kolhapur-549)

| Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) | | | | Last Chance. April-2019 |
|--|--------------|--------------------------------------|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 64600 | Programming in C | Monday -06.05.2019 | From 11.00 AM To 02.00 PM |
| III | 64598 | Discrete Mathematical Structures – I | Thursday– 25.04.2019 | |
| I | 64596 | Algebra | Tuesday – 09.04.2019 | |
| IV | 64599 | Computer Architecture | Tuesday – 30.04.2019 | |
| II | 64597 | Advanced Calculus | Monday -15.04.2019 | |
| | 64601 | Lab Work – I | <i>Internal Exam</i> | |

| Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) | | | | (Revised From Oct-2018) |
|--|--------------|------------------------------------|----------------------|---------------------------------|
| Part I :- Sem.-I | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| V | 71453 | Advanced Calculus | Monday -15.04.2019 | From 11.00 AM To 02.00 PM |
| III | 71454 | Linear Algebra | Thursday– 09.05.2019 | |
| I | 71455 | Discrete Mathematical Structures-I | Thursday– 25.04.2019 | |
| IV | 71456 | Computer Architecture | Tuesday – 30.04.2019 | |
| II | 71457 | Programming in C | Monday -06.05.2019 | |
| | 71458 | Lab Work I | <i>Internal Exam</i> | |

| Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) | | | | From April-2015 |
|--|--------------|---------------------------------------|--------------------------|---------------------------------|
| Part I :- Sem.-II | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 64917 | Real Analysis | Saturday – 27.04.2019 | From 11.00 AM To 02.00 PM |
| II | 64918 | Operations Research | Wednesday- 08.05.2019 | |
| IV | 64920 | Operating Systems | Thursday – 18.04.2019 | |
| V | 64921 | Data Structures Using C | Thursday – 11.04.2019 | |
| III | 64919 | Discrete Mathematical Structures – II | Friday – 03.05.2019 | |
| | 64922 | Lab Work II | <i>Internal Exam</i> | |

| 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 | PAPER TIME |
| I | 71460 | Functional Analysis | Tuesday – 07.05.2019 | From 11.00 AM To 02.00 PM |
| II | 71461 | Algebra | Tuesday – 09.04.2019 | |
| IV | 71464 | Operating Systems | Thursday – 18.04.2019 | |
| V | 71463 | Data Structures Using-C | Thursday – 11.04.2019 | |
| III | 71462 | Discrete Mathematical Structures-II | Friday – 03.05.2019 | |
| | 71465 | Lab Work II | <i>Internal Exam</i> | |

| Branch Code - M.Sc. TECH (MATHEMATICS) (C.B.C.S.) | | | | From Oct-2015 |
|--|--------------|--------------------------------------|-----------------------|--------------------------------|
| Part II :- Sem.-III | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 65753 | Complex Analysis | Monday – 08.04.2019 | From 3.00.PM To 06.00 PM |
| II | 65752 | Linear Algebra | Friday – 12.04.2019 | |
| IV | 65754 | Object Oriented Programming with C++ | Saturday – 04.05.2019 | |
| V | 65755 | Database Systems | Monday -29.04.2019 | |
| III | 65756 | Design and analysis of Algorithms I | Saturday – 20.04.2019 | |
| | 65757 | Lab Work | <i>Internal Exam</i> | |

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

Exam Center & College Code :- (Kolhapur-549)

| 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 | PAPER TIME |
| I | 67155 | Functional Analysis | Friday -26.04.2019 | From 3.00.PM To 06.00 PM |
| II | 67156 | Differential Equations | Tuesday – 07.05.2019 | |
| IV | 67157 | Design and Analysis of Algorithms II | Thursday – 02.05.2019 | |
| V | 67158 | Object Oriented Programming With Java | Tuesday - 16.04.2019 | |
| VI | 67159 | Linux Operating System | Wednesday – 10.04.2019 | |
| | 67160 | Lab Work -IV | <i>Internal Exam</i> | |

| 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 | PAPER TIME |
| I | 67980 | Compiler Techniques | Tuesday -09.04.2019 | From 11.00 AM To 02.00 PM |
| II | 67981 | Software Engineering | Thursday – 11.04.2019 | |
| III | 67982 | Computer Networks | Monday – 15.04.2019 | |
| IV | 67983 | Computer Graphics | Thursday -18.04.2019 | |
| Paper No. V- Choose any One of the following | | | | |
| | 67984 | Web Technology | Thursday – 25.04.2019 | From 11.00 AM To 02.00 PM |
| | 67985 | PHP with MySQL | | |
| | 67986 | Android Programmimg | | |
| | 67987 | Advanced Java | | |
| | 67988 | Lab Work | <i>Internal Exam</i> | |

- Candidates are requested to be present at their respective places of Examination 15 MINUTES before the time scheduled for the starting of the First Paper.
- The Practical examination will be held after written examination. The Information regarding place, date and time of the Practical examination will be notified in the practical programme of the subject. Those who fail to present themselves at the practical examination on the scheduled date and time will not be examined in practical. The practical programme will be displayed on the notice board of the Department.
- The Examination Programme is subject to change. The candidates are advised to check the **Examination programme**. If there is any change in the examination programme the university is not responsible for the loss or inconvenience caused to the candidates.
- The external candidates are requested to see their examination seat numbers as well as place of examination on the notice board of the University Office at least two days before the date of examination.
- Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
- Examinee should confirm the customized time table printed on his/her hall ticket with the **Exam Programme** of examination sent to his/her Department.

Vidyanagar,
Kolhapur – 416 004
Date :- 12 May 2019

SHRI. M.A. KAKADE
DIRECTOR
BOARD OF EXAMINATIONS AND EVALUATION