



SHIVAJI UNIVERSITY KOLHAPUR

Final Exam Programme Circular No. 1011 Summer Session

Online/Offline Exam of March-2020

Faculty : Science and Technology

Course: M.Sc. Examination Regular Pattern

Part -II Sem-IV Examination April/May 2020 to be held Oct-2020

INSTRUCTIONS-Common instruction as per Circular No.SU/Appointment/RVC/301,304, 305 Dated 13th, 14th & 16th September 2020, and also available in University website www.unishivaji.ac.in

The Centers and Places of the Examination will be as under.

1- The Offline Examination Place will be held at:

| Sr.No | Center | College Code | Exam | Places |
|-------|---------------|--------------|--|--|
| 1 | | 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.Sc. Physics | Vivekanand College, KOLHAPUR |
| | | 48 | M.Sc Physics | Devchand College, ARJUNNAGAR |
| 2 | URUN ISLAMPUR | 88 | M.Sc. Physics | Smt. Kusumtai Rajarambapu Patil, Kanya Mahavidyalaya |
| | | 444 | M.Sc Alochol 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.Sc. Physics | Willingdon College, SANGLI |
| | | 94 | M.Sc. Physics | Raje Ramrao Mahavidyalaya, JATH |
| | | 92 | M.A./M. Sc. Geography, Statistics | Padm. Bhushan Dr. Vasantodada Patil Mahavidyalaya, TASGAON |
| 4 | KARAD | 156 | M.A./M. Sc. Geography, 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 | Yashwantrao Chavan Institute of Science, SATARA. |
| | | 173 | M.A./M.Sc Geography | Raja Shripatrao Bhagawantrao Mahavidyalaya, AUNDH |
| | | 162 | M.A./M.Sc Geography | D.P. Bhosale College, Koregaon., KOREGAON |

2. The Online/Offline examination schedule will be conducted in following order:

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

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 | Tuesday- 20.10.2020 | 01.30.PM To 02.30PM |
| XIV Choice Base Paper (Any One Paper) | PAPER NO. XIV:- Choose Any One Of The Following Paper | | Wednesday-21.10.2020 | |
| | 65141 | Electronic Devices | | |
| | 65062 | Computational Methods And Programming | | |
| | 65063 | Special Materials | | |
| Paper No. XV – Choose Any One of The Following | 68287 | Modern Analytical Techniques | Thursday- 22.10.2020 | |
| | 65032 | Energy Science –III (Renewable Energy Resources) | | |
| | 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) | | |
| Paper No. XVI – Choose Any One of The Following Subject | 65037 | Theoretical Physics –III (Interaction of Electromagnetic Waves with Electron Beams and Plasmas) | Friday - 23.10.2020 | |
| | 65039 | Energy Science – IV (Energy Conversion Devices) | | |
| | 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) | | | |

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

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

| Branch Code | | - PHYSICS (C.B.C.S.) | | From-(March-2020) | |
|----------------------------------|------------|--|----------------------|-----------------------------------|--|
| Part II :- Semester IV | | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME | |
| X | 79340 | Experimental Techniques | Tuesday- 20.10.2020 | 01.30.PM To 02.30PM | |
| Any one Paper | | | | | |
| | 68287 | Modern Analytical Techniques | Wednesday-21.10.2020 | | |
| | 79343 | Electronic Devices | | | |
| | 79341 | Numerical Methods And Programming | | | |
| | 79342 | MATI AB Programming and Applications | | | |
| | 79515 | Media And Society | | | |
| Elective Papers (Any Four Paper) | | | | | |
| | 79344 | Renewable Energy Resources | Thursday- 22.10.2020 | | |
| | 79345 | Energy Conversion Devices | Friday - 23.10.2020 | | |
| | 79346 | Special Materials | Thursday- 22.10.2020 | | |
| | 79347 | Nanostructured Materials | Friday - 23.10.2020 | | |
| | 79348 | Molecular Spectroscopy | Thursday- 22.10.2020 | | |
| | 79349 | Holography and Its Applications | Friday - 23.10.2020 | | |
| | 79350 | Magnetospheric Plasma Dynamics | Thursday- 22.10.2020 | | |
| | 79351 | Ionospheric and Space Weather | Friday - 23.10.2020 | | |
| | 79352 | Physical Properties of Solids | Thursday- 22.10.2020 | | |
| | 79353 | Energy Conversion and Storage Devices | Friday - 23.10.2020 | | |
| | 79354 | Interaction of Electromagnetic waves with Electron Beams & Plasmas | Thursday- 22.10.2020 | | |
| | 79355 | Introduction to Quantum Field Theory | Friday - 23.10.2020 | | |

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 April-2018 | |
|---|--------------|--|-----------------------|-----------------------------------|--|
| Part II :- Sem.-IV | | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME | |
| XVI | 71107 | Optimization Techniques (OT) | Tuesday- 20.10.2020 | 01.30.PM To 02.30PM | |
| Paper No. XVII & XX :- Choose Any Four of the Following Papers | | | | | |
| | 71109 | Generalized Linear Models | Wednesday-21.10.2020 | | |
| | 71110 | Survival Analysis(SA) | Thursday- 22.10.2020 | | |
| | 71111 | Data Mining (DM) | Friday - 23.10.2020 | | |
| | 71112 | Statistical Quality Control | Saturday - 24.10.2020 | | |
| | 71113 | Time Series Analysis (TSA) | Monday - 26.10.2020 | | |
| | 71108 | Practical IV and Project(P&P) | <i>Internal Exam</i> | | |

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

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 | Tuesday- 20.10.2020 | 01.30.PM To 02.30PM |
| XVII | 65071 | Discrete Data Analysis | Wednesday-21.10.2020 | |
| XVIII | 65073 | Time Series Analysis | Thursday- 26.10.2020 | |
| XIX | 65075 | Industrial Statistics | Tuesday - 27.10.2020 | |
| XX | 65077 | Data Warehousing and Data Mining | Saturday - 23.10.2020 | |
| | 65072 | Practical –IV & Project | <i>Internal Exam</i> | |

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

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

| Branch Code - APPLIED STATISTICS & INFORMATICS (C.B.C.S.) | | | | From April-2020 |
|---|-------------------|-----------------------------|-----------------------|---------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| | 79378 | Optimization Techniques | Tuesday- 20.10.2020 | 01.30.PM To 02.30PM |
| | 79379 | Python for Data Science | Wednesday-24.10.2020 | |
| Choose Any Three of the Following Papers | | | | |
| | 79381 | Generalized Linear Models | Friday - 21.10.2020 | |
| | 79382 | Survival Analysis | Saturday - 31.10.2020 | |
| | 79383 | Statistical Quality Control | Tuesday- - 27.10.2020 | |
| | 79384 | Time Series Analysis | Monday- 26.10.2020 | |
| | 79385 | Statistical Ecology | Wednesday-28.10.2020 | |
| | 79386 | Econometrics | Thursday- 29.10.2020 | |
| | 793807 | Data Mining | Saturday - 23.10.2020 | |
| | 79388 | Bioinformatics | Monday - 22.10.2020 | |

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

Exam Center & College Code :- (Kolhapur-551)

| 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 | Saturday - 24.10.2020 | From 04.00 PM To 05.00PM |
| XIV | 65020 | Environmental Hazards and Disaster Management | Monday - 26.10.2020 | |
| XV | 65021 | Environmental Planning and Management | Tuesday- 27.10.2020 | |
| XVI | 65022 | Environmental Biotechnology | Wednesday-28.10.2020 | |
| | 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 April-2015 |
|--|-------------------|---|-----------------------|---------------------------------|
| Part II :- Sem.-IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| XIII | 65134 | Food Packaging | Saturday - 17.10.2020 | From 04.00 PM To 05.00 PM |
| XIV | 65135 | Technology of Oilseeds & Fats | Monday - 19.10.2020 | |
| XV | 65136 | Food Biotechnology | Tuesday- 20.10.2020 | |
| XVI | 65137 | Post-Harvest Technology of Plantation Crops | Wednesday-21.10.2020 | |
| | 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 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 | Monday - 19.10.2020 | From 04.00.PM To 05.00PM |
| II | 68645 | Production of ENA, ETHNOL & IMFL | Tuesday- 20.10.2020 | |
| III | 68646 | Chemical Engineering | Wednesday-21.10.2020 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | | |
| | 68647 | General Engineering | Thursday- 22.10.2020 | |
| | 68648 | Pollution Prevention & Control | | |
| 68649 | Business management & marketing | | | |
| Practical | 68650 | Technical Easy on Elective Subject | <i>Internal Exam</i> | |
| | 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 Oct-2018) |
|---|--|---|----------------------|--------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 68628 | Sugar Processing-Finishing | Monday - 19.10.2020 | From 04.00.PM To 05.00PM |
| II | 68629 | Allid Sugar Manufacturing | Tuesday- 20.10.2020 | |
| III | 68630 | Chemical Engineering-Unit Operation | Wednesday-21.10.2020 | |
| Paper No.IV | Paper No.IV :- Choose Any One of the Following Papers | | | |
| | 68631 | Energy Conversion and Cogeneration | Thursday- 22.10.2020 | |
| | 68632 | Pollution Prevention and Control | | |
| 68633 | Water Management and Zero Discharge | | | |
| Practical | 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 April-2019) |
|--|------------|---------------------------------------|----------------------|---------------------------------|
| Part II - Sem IV | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME |
| I | 71626 | Fermentation Technology-II | Monday - 19.10.2020 | From 04.00.PM To 05.00 PM |
| II | 71627 | Food and Dairy Micrology | Tuesday- 20.10.2020 | |
| III | 71628 | Quality Assurance and Industrial Laws | Wednesday-21.10.2020 | |
| IV | 71629 | Industrial Waste Management | Thursday- 22.10.2020 | |
| 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-259,162 & 173, Karad-153 & 156)

| Branch Code - GEOGRAPHY (C.B.C.S.) Old | | | From April-2015 | | |
|--|--|---|----------------------|---------------------------|--|
| Part II :- Sem.-IV | | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME | |
| XIII | 65005 | Development of Geographical Thought | Tuesday-20/10/2020 | 01.30.PM To 02.30PM | |
| XIV | 65006 | Geohydrology & Oceanography | Wednesday-21/10/2020 | | |
| XV | Paper No.:- XI – Choose Any One of the Following | | Thursday-22/10/2020 | | |
| | 65009 | Agricultural Geography | | | |
| | 65010 | Settlement Geography | | | |
| XIV | Paper No. XII :- Choose Any One Of The Following Papers | | Friday-23/10/2020 | | |
| | 65011 | Biogeography | | | |
| | 65012 | Medical Geography | | | |
| | 65007 | Project - Research Methodology and Study Tour Report Writing | <i>Internal Exam</i> | | |
| | 65008 | Project | | | |

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

Exam Center & College Code :- (Kolhapur-540, Sangli-92, Satara-259,162 & 173, Karad-153 & 156)

| Branch Code - GEOGRAPHY (C.B.C.S.) New | | | From April-2020 | | |
|---|------------|--|-----------------------|---------------------------|--|
| Part II :- Sem.-IV | | | | | |
| PAPER NO. | PAPER CODE | PAPER NAME | DAY & DATE | PAPER TIME | |
| | 79489 | Development of Modern Geographical Thought | Tuesday-20/10/2020 | 01.30.PM To 02.30PM | |
| | 79490 | Regional Planning and Development | Wednesday-21/10/2020 | | |
| | 79497 | Dissertation/Project (Based on field work) | Thursday-22/10/2020 | | |
| | 79498 | Study Tour Report Writing | Friday-23/10/2020 | | |
| Choose Any One Of The Following Papers | | | | | |
| | 79491 | Fundamentals of Geographical Information System and Introduction | Saturday - 24.10.2020 | | |
| | 79492 | Fundamental of Soil Geography | | | |
| Choose Any One Of The Following Papers | | | | | |
| | 79493 | Tourism Geography | Monday - 26.10.2020 | | |
| | 79494 | Agricultural Geography | | | |
| Choose Any One Of The Following Papers | | | | | |
| | 79495 | Introduction to GIS Software and GPS | Tuesday- 27.10.2020 | | |
| | 79496 | Soil and Water Analysis | | | |

Vidyanagar,
Kolhapur – 416 004
Date :- 11 October 2020

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