

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO.291 OF. 2019
THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)(INCLUDING VOC)
REVISED AS ON : 04/10/2019

Examination of Oct/Nov/Dec 2019

(Under Faculty of SCIENCE AND TECHNOLOGY : A)SCIENCES)

INSTRUCTIONS FOR CANDIDATES

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the time fixed for paper.
- Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
- **Candidates are requested to see the Notice Board at their place of examination regularly for changes if any, that may be notified later in the program.**
- No request for any special concession such as a change in time or any day fixed for the University Examination on any ground shall be granted.
- Use of non programmable calculator is permitted.

BOTANY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91414	BO.341 PLANT PHYSIOLOGY & BIOCHEMISTRY
Friday 11-10-2019	91424	BO.342 PLANT ECOLOGY AND BIODIVERSITY
Saturday 12-10-2019	91434	BO.343 PLANT PATHOLOGY
Monday 14-10-2019	91444	BO.344 MEDICINAL AND ECONOMIC BOTANY
Tuesday 15-10-2019	91454	BO.345 PLANT BIOTECHNOLOGY
Wednesday 16-10-2019	91464	BO. 346 PLANT BREEDING AND SEED TECHNOLOGY

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91413	BO. 331 CRYPTOGAMIC BOTANY
Tuesday 05-11-2019	91423	BO. 332 CELL AND MOLECULAR BIOLOGY
Wednesday 06-11-2019	91433	BO. 333 GENETICS AND EVOLUTION
Thursday 07-11-2019	91443	BO. 334 SPERMATOPHYTA AND PALAEOBOTANY
Friday 08-11-2019	91453	BO. 335 HORTICULTURE AND FLORICULTURE
Monday 11-11-2019	91463	BO. 336 COMPUTATIONAL BOTANY

CHEMISTRY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91314	CH-341: PHYSICAL CHEMISTRY
Friday 11-10-2019	91324	CH-342: INORGANIC CHEMISTRY
Saturday 12-10-2019	91334	CH-343: ORGANIC CHEMISTRY
Monday 14-10-2019	91344	CH-344:ANALYTICAL CHEMISTRY
Tuesday 15-10-2019	91354	CH-345:INDUSTRIAL CHEMISTRY
Wednesday 16-10-2019	913A4	CH-346A: NUCLEAR CHEMISTRY
	913B4	CH-346B: POLYMER CHEMISTRY
	913C4	CH-346C: INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY (OR)
	913D4	CH-346D: ENVIRONMENTAL AND GREEN CHEMISTRY(OR)
	913E4	CH-346E: DAIRY CHEMISTRY

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91313	CH-331: PHYSICAL CHEMISTRY
Tuesday 05-11-2019	91323	CH-332: INORGANIC CHEMISTRY
Wednesday 06-11-2019	91333	CH-333: ORGANIC CHEMISTRY
Thursday 07-11-2019	91343	CH-334: ANALYTICAL CHEMISTRY
Friday 08-11-2019	91353	CH-335: INDUSTRIAL CHEMISTRY
Monday 11-11-2019	913A3	CH-336-A NUCLEAR CHEMISTRY
	913B3	CH-336-B POLYMER CHEMISTRY
	913C3	CH-336-C INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY

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Monday 11-11-2019	913D3	CH-336-D ENVIRONMENTAL AND GREEN CHEMISTRY
	913E3	CH-336-E AGRICULTURE CHEMISTRY

DEFENCE STUDIES

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	92314	DS 401 INTERNAL SECURITY OF INDIA
Friday 11-10-2019	92324	DS 402 TRENDS IN INDIA'S DEFENCE EXPENDITURE
Saturday 12-10-2019	92344	DS 404 INFORMATION WARFARE AND CYBER SECURITY
Monday 14-10-2019	92354	DS 405 DEFENCE PRODUCTION AND LOGISTICS IN INDIA
Tuesday 15-10-2019	923A4	DS 406(A)DEFENCE JOURNALISM AND NATIONAL SECURITY
	923B4	DS 406(B)GENDER BASED CONFLICTS AND HUMAN RIGHTS
Wednesday 16-10-2019	923C4	DS 407(A) ROLE OF THE ARMED FORCES IN DISASTER MANAGEMENT
	923D4	DS407 (B) GLOBAL SECURITY II
Thursday 17-10-2019	923E4	DS 408(A) INDIAN MILITARY STRATEGY (1947-2014)
	923F4	DS 408(B) INDIAN MILITARY STRATEGY (1680-1818)
Friday 18-10-2019	923G4	DS 409(A) UNITED NATIONS ORGANISATION
	923H4	DS 409(B) INDIA'S MARITIME SECURITY

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	92313	DS-301 DEFENCE STUDIES THEORY PAPER-I : INDIA'S FOREIGN AND DEFENCE POLICY
Tuesday 05-11-2019	92323	DS-302 DEFENSE STUDIES THEORY PAPER II : DEFENSE ECONOMICS
Wednesday 06-11-2019	92333	DS-303 DEFENSE STUDIES THEORY PAPER-III : RESEARCH METHODOLOGY
Thursday 07-11-2019	92343	DS-304 DEFENSE STUDIES THEORY PAPER IV : SCIENCE TECHNOLOGY AND NATIONAL SECURITY
Friday 08-11-2019	92353	DS-305 DEFENSE STUDIES THEORY PAPER-V : DEFENCE PLANNING AND MANAGEMENT IN INDIA

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Monday 11-11-2019	923A3	DS-306-A DEFENCE STUDIES PAPER-VI : MILITARY AND MEDIA
	923B3	DS-306-B DEFENCE STUDIES PAPER-VI : ARMED CONFLICTS AND HUMAN RIGHTS
Wednesday 13-11-2019	923C3	DS-307-A DEFENSE STUDIES PAPER-VII : DISASTER MANAGEMENT
	923D3	DS-307-B DEFENSE STUDIES PAPER-VII : GLOBAL SECURITY I
Thursday 14-11-2019	923E3	DS-308 -A DEFENSE STUDIES PAPER-VIII : INDIAN MILITARY STRATEGY (1857-1947)
	923F3	DS-308 -B DEFENSE STUDIES PAPER-VIII : INDIAN MILITARY STRATEGY (1630-1680)
Friday 15-11-2019	923G3	DS-309 -A DEFENCE STUDIES PAPER-IX : REGIONAL SECURITY SYSTEM
	923H3	DS-309 -B DEFENCE STUDIES PAPER-IX : STRATEGIC ENVIRONMENT OF INDIAN OCEAN

ELECTRONICS

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	92214	EL-341 : ADVANCED COMMUNICATION SYSTEMS
Friday 11-10-2019	92224	EL-342 : MICROCONTROLLER AND ITS APPLICATIONS
Saturday 12-10-2019	92234	EL-343 : POWER ELECTRONICS
Monday 14-10-2019	92244	EL-344 : FOUNDATIONS OF NANOELECTRONICS
Tuesday 15-10-2019	92254	EL-345 : MATHEMATICAL METHODS & ANALYSIS USING MATALAB
Wednesday 16-10-2019	922A4	EL-346-OPTIONAL COURSE : A) INDUSTRIAL AUTOMATION
	922B4	EL-346-OPTIONAL COURSE : B) CONSUMER ELECTRONICS

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	92213	EL-331: ADVANCED DIGITAL SYSTEM DESIGN
Tuesday 05-11-2019	92223	EL-332: MICROCONTROLLERS
Wednesday 06-11-2019	92233	EL-333: ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR IC'S
Thursday 07-11-2019	92243	EL-334: PRINCIPLES OF SEMICONDUCTORS DEVICES
Friday 08-11-2019	92253	EL-335: 'C' PROGRAMMING
Monday 11-11-2019	922A3	EL-336-A:FIBER OPTIC COMMUNICATION
	922B3	EL-336-B:ELECTRONICS PRODUCT DESIGN & ENTREPRENEURSHIP

ENVIRONMENTAL

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	92414	ENV-341 : ENVIRONMENTAL SCIENCE THEORY PAPER I : AQUATIC ECOSYSTEMS & MANAGEMENT
Friday 11-10-2019	92424	ENV-342 : ENVIRONMENTAL SCIENCE THEORY PAPER II : NATURE CONSERVATION
Saturday 12-10-2019	92434	ENV-343 : ENVIRONMENTAL SCIENCE THEORY PAPER III : AIR & SOIL QUALITY
Monday 14-10-2019	92444	ENV-344 : ENVIRONMENTAL SCIENCE THEORY PAPER IV : ISSUES IN ENVIRONMENTAL SCIENCE
Tuesday 15-10-2019	92454	ENV-345 : ENVIRONMENTAL SCIENCE THEORY PAPER V : ENVIRONMENTAL GOVERNANCE & EQUITY : EMS ISO 14000
Wednesday 16-10-2019	92464	ENV-346 : ENVIRONMENTAL SCIENCE THEORY PAPER VI : ENVIRONMENTAL BIOTECHNOLOGY-II

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	92413	ENV-301 : ENVIRONMENTAL SCIENCE THEORY PAPER I TERRESTRIAL ECOSYSTEMS & MANAGEMENT
Tuesday 05-11-2019	92423	ENV-302 : ENVIRONMENTAL SCIENCE THEORY PAPER II WILDLIFE BIOLOGY
Wednesday 06-11-2019	92433	ENV-303 : ENVIRONMENTAL SCIENCE THEORY PAPER-III-WATER QUALITY
Thursday 07-11-2019	92443	ENV-304 ENVIRONMENTAL SCIENCE PAPER-IV : ISSUES IN ENVIRONMENTAL SCIENCE
Friday 08-11-2019	92453	ENV-305 : ENVIRONMENTAL SCIENCE THEORY PAPER V ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS
Monday 11-11-2019	92463	ENV-306 : ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-I

GEOGRAPHY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91814	GG-341:FUNDAMENTALS OF HUMAN GEOGRAPHY (PART II)
Friday 11-10-2019	91824	GG-342: GEOGRAPHY OF TRAVEL AND TOURISM (PART II)
Saturday 12-10-2019	91834	GG-343 FUNDAMENTALS OF GEO-INFORMATICS(PART II)
Monday 14-10-2019	91844	GG-344 GEOGRAPHY OF INDIA(PART II)
Tuesday 15-10-2019	91854	GG-345: GEOGRAPHY OF SOILS(PART II)
Wednesday 16-10-2019	91864	GG-346: FUNDAMENTALS OF GEO-INFORMATICS(PART II)

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91813	GG-331 FUNDAMENTALS OF HUMAN GEOGRAPHY (PART I)
Tuesday 05-11-2019	91823	GG-332: GEOGRAPHY OF TRAVEL AND TOURISM (PART I)
Wednesday 06-11-2019	91833	GG-333 FUNDAMENTALS OF GEO-INFORMATICS(PART I)
Thursday 07-11-2019	91843	GG-334 GEOGRAPHY OF INDIA(PART I)
Friday 08-11-2019	91853	GG-335: GEOGRAPHY OF SOILS(PART I)
Monday 11-11-2019	91863	GG-336: FUNDAMENTALS OF GEO-INFORMATICS(PART I)

GEOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91614	GL-341: METAMORPHIC PETROLOGY
Friday 11-10-2019	91624	GL-342: ENVIRONMENTAL GEOLOGY
Saturday 12-10-2019	91634	GL-343: ECONOMIC GEOLOGY
Monday 14-10-2019	91644	GL-344: GEOTECTONICS
Tuesday 15-10-2019	91654	GL-345: PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEOLOGY
Wednesday 16-10-2019	91664	GL-346: APPLIED GEOLOGY-II(ENGINEERING GEOLOGY GEOHYDROLOGY & PROSPECTING)

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91613	GL331: MINERALOGY
Tuesday 05-11-2019	91623	GL332: IGNEOUS PETROLOGY
Wednesday 06-11-2019	91633	GL333: SEDIMENTARY PETROLOGY
Thursday 07-11-2019	91643	GL334: STRUCTURAL GEOLOGY
Friday 08-11-2019	91653	GL335: PRECAMBRIAN STRATIGRAPHY OF INDIA
Monday 11-11-2019	91663	GL336: FLUID GEOLOGY I (GEOMORPHOLOGY REMOTE-SENS)

MATHEMATICS

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91114	MT 341 : COMPLEX ANALYSIS
Friday 11-10-2019	91124	MT 342 : REAL ANALYSIS-II
Saturday 12-10-2019	91134	MT 343 : PROBLEM COURSE ON MT-341 & MT-342
Monday 14-10-2019	91144	MT 344 : RING THEORY
Tuesday 15-10-2019	91154	MT 345 : PARTIAL DEFERENTIAL EQUATIONS
Wednesday 16-10-2019	91164	MT 346 : PROBLEM COURSE ON MT-344 & MT-345
Thursday 17-10-2019	911A4	MT-347 A : OPTIMIZATION TECHNIQUES
Friday 18-10-2019	911B4	MT-347 B : DIFFERENTIAL GEOMETRY
Saturday 19-10-2019	911C4	MT-347 C :PROGRAMMING-II
Wednesday 23-10-2019	911F4	MT-347 F : COMPUTATIONAL GEOMETRY
Thursday 24-10-2019	911D4	MT-347 D : GRAPH THEORY
Friday 01-11-2019	911E4	MT-347 E : LEBSEGUE INTEGRATION

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91113	MT 331 : METRIC SPACES
Tuesday 05-11-2019	91123	MT 332 : REAL ANALYSIS-I
Wednesday 06-11-2019	91133	MT 333 :PROBLEM COURSE ON MT 331 AND MT 332
Thursday 07-11-2019	91143	MT 334 : GROUP THEORY
Friday 08-11-2019	91153	MT 335 : ORDINARY DIFFERENTIAL EQUATIONS
Monday 11-11-2019	91163	MT 336 : PROBLEM COURSE ON MT 334 AND MT 335
Wednesday 13-11-2019	911A3	MT 337 : A. OPERATIONS RESEARCH

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Thursday 14-11-2019	911B3	MT 337 : B. DYNAMICAL SYSTEM
Friday 15-11-2019	911C3	MT 337 : C. PROGRAMMING I
Saturday 16-11-2019	911D3	MT 337 : D. LATTICE THEORY
Monday 18-11-2019	911E3	MT 337 : E. FINANCIAL MATHEMATICS
Tuesday 19-11-2019	911F3	MT 337 : F. NUMBER THEORY

MICROBIOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91914	MB-341 : MEDICAL MICROBIOLOGY-II
Friday 11-10-2019	91924	MB-342 : GENETICS & MOLECULAR BIOLOGY-II
Saturday 12-10-2019	91934	MB-343 : METABOLISM
Monday 14-10-2019	91944	MB-344 : IMMUNOLOGY-II
Tuesday 15-10-2019	91954	MB-345 : FERMENTATION TECHNOLOGY-II
Wednesday 16-10-2019	91964	MB-346 : AGRICULTURAL ENVIRONMENTAL MICROBIOLOGY

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91913	MB-331: MEDICAL MICROBIOLOGY - I
Tuesday 05-11-2019	91923	MB-332: GENETICS & MOLECULAR BIOLOGY - I
Wednesday 06-11-2019	91933	MB-333: ENZYMOLOGY
Thursday 07-11-2019	91943	MB-334: IMMUNOLOGY-I
Friday 08-11-2019	91953	MB-335: FERMENTATION TECHNOLOGY - I
Monday 11-11-2019	91963	MB-336: FOOD & DAIRY MICROBIOLOGY

NanoScience

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	92613	(NNT331) POLYMER AND COMPOSITES
Tuesday 05-11-2019	92623	(NNT332) NANOPHYSICS
Wednesday 06-11-2019	92633	(NNT333) NANOBIO TECHNOLOGY
Thursday 07-11-2019	92643	(NNT334) CARBON BASED NANOMATERIALS
Friday 08-11-2019	92653	(NNT335) ENERGY CONVERSION DEVICES & APPLICATIONS
Monday 11-11-2019	92663	(NNT336) ENVIRONMENTAL NANOTECHNOLOGY AND APPLICATIONS

PHYSICS

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91214	PH-341 : CLASSICAL ELECTRODYNAMICS
Friday 11-10-2019	91224	PH-342 : QUANTUM MECHANICS
Saturday 12-10-2019	91234	PH-343 : THERMODYNAMICS & STATISTICAL PHYSICS
Monday 14-10-2019	91244	PH-344 : NUCLEAR PHYSICS
Tuesday 15-10-2019	61254	# PH-345 : PHYSICS THEORY PAPER V : ADVANCED ELECTRONICS (2008 PATTERN)
	91254	PH-345 : ELECTRONICS / ADVANCED ELECTRONICS
Wednesday 16-10-2019	612J4	# PHYSICS PAPER-VI -PH-346 -G : PHYSICS OF NANOMATERIALS (2008 PATTERN)
	612P4	# PHYSICS PAPER-VI -PH-346 -H : MICROCONTROLLERS (2008 PATTERN)
	912G4	PH-346-G :MEDICAL ELECTRONICS
	912H4	PH-346-H :PHYSICS OF NANOMATERIALS
	912I4	PH-346-I :MICROCONTROLLERS
	912J4	PH-346-J : ELECTRO-ASCOUSTIC & ENTERTAINMENT ELECTRONICS
	912K4	PH-346-K :LASERS
	912L4	PH-346-L : RADIATION PHYSICS

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91213	PH-331: MATHEMATICAL METHODS IN PHYSICS II
Tuesday 05-11-2019	91223	PH 332: SOLID STATE PHYSICS
Wednesday 06-11-2019	61233	# PH-333 : PHYSICS THEORY PAPER III : CLASSICAL MECHANICS (2008 PATTERN)
	91233	PH-333: CLASSICAL MECHANICS

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Thursday 07-11-2019	91243	PH-334: ATOMIC AND MOLECULAR PHYSICS
Friday 08-11-2019	61253	# PH-335 : PHYSICS THEORY PAPER V : 'C' PROGRAMMING & COMPUTATIONAL PHYSICS (2008 PATTERN)
	91253	PH-335: COMPUTATIONAL PHYSICS
Monday 11-11-2019	612J3	# PH-336-E PHYSICS PAPER-VI : MEDICAL ELECTRONICS (2008 PATTERN)
	912A3	PH-336 ELECTIVE I A: ASTRONOMY AND ASTROPHYSICS
	912B3	PH-336 ELECTIVE I : B: ELEMENTS OF MATERIALS SCIENCE
	912C3	PH-336 ELECTIVE I : C: MOTION PICTURE PHYSICS
	912D3	PH-336 ELECTIVE I : D: BIOPHYSICS
	912E3	PH-336 ELECTIVE I : E: RENEWABLE ENERGY SOURCES
	912F3	PH-336 ELECTIVE I F: APPLIED OPTICS

PSYCHOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	92014	Understanding Counseling Process
Friday 11-10-2019	92024	Human Resource Management
Saturday 12-10-2019	92034	Consumer Psychology
Monday 14-10-2019	92044	Counseling Skill
Tuesday 15-10-2019	92054	Positive Psychology
Wednesday 16-10-2019	92064	Forensic Psychology

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	92013	Psychology of Communication
Tuesday 05-11-2019	92023	Cognitive Psychology
Wednesday 06-11-2019	92033	Statistical Methods
Thursday 07-11-2019	92043	Psychopathology
Friday 08-11-2019	92053	Applied Psychology
Monday 11-11-2019	92063	Organizational Behaviour

STATISTICS

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91714	ST-341:ACTUARIAL STATISTICS
Friday 11-10-2019	91724	ST-342:TESTING OF HYPOTHESES
Saturday 12-10-2019	61734	# ST-343 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (OFF LINE METHODS) (2008 PATTERN)
	91734	ST-343: STATISTICAL QUALITY CONTROL
Monday 14-10-2019	91744	ST-344: OPERATION RESEARCH
Tuesday 15-10-2019	61754	# ST-345 : STATISTICS THEORY PAPER V : OPERATION RESEARCH (2008 PATTERN)
	917A4	ST-345(A):RELIABILITY & SURVIVAL ANALYSIS (OR)
	917B4	ST-345(B):INTRODUCTION TO STOCHASTIC PROCESSES
Wednesday 16-10-2019	617B4	# STATISTICS PAPER-VI-ST-346-B : STATISTICAL ECOLOGY (2008 PATTERN)
	617D4	# STATISTICS PAPER-VI -ST-346-A : MEDICAL STATISTICS (2008 PATTERN)
	617E4	# STATISTICS PAPER-VI-ST-346-C : STATISTICAL COMPUTING USING R SOFTWARE (2008 PATTERN)
	91764	ST-346:STATISTICAL COMPUTING USING R SOFTWARE (Batch-I Time : 10 AM to 12 PM & Batch-II Time : 02 PM to 04 PM)

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	61713	# ST-331 : STATISTICS THEORY PAPER I : DISTRIBUTION THEORY-I (2008 PATTERN)
	91713	ST-331: DISTRIBUTION THEORY
Tuesday 05-11-2019	91723	ST-332: THEORY OF ESTIMATION
Wednesday 06-11-2019	61733	# ST-333 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (ONLINE METHOD) (2008 PATTERN)

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Wednesday 06-11-2019	91733	ST-333: SAMPLING METHODS
Thursday 07-11-2019	91743	ST-334: DESIGN OF EXPERIMENTS
Friday 08-11-2019	91753	ST-335: C PROGRAMMING (TURBO C)
Monday 11-11-2019	617A3	# STATISTICS PAPER-VI -ST 336(A) : OPERATIONS MANAGEMENT (2008 PATTERN)
	617D3	# STATISTICS PAPER-VI -ST 336(C) : TIME SERIES ANALYSIS (2008 PATTERN)
	91763	ST-336: INTRODUCTION TO REGRESSION ANALYSIS

VOCATIONAL P-V

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 17-10-2019	95654	INDUSTRIAL-CHEMISTRY ENTREPRENEURSHIP DEVELOPMENT
	95754	BIOTECHNOLOGY-ENVIRONMENTAL BIOTECHNOLOGY AND BIOINFORMATICS
	98054	PHOTOGRAPHY AND AUDIO-VISUAL PRODUCTION-ENTREPRENEURSHIP DEVELOPMENT
	98154	ELECTRONIC EQUIPMENT MAINTENANCE - ENTREPRENEURSHIP DEVELOPMENT
	98254	INDUSTRIAL MICROBIOLOGY-MOLECULAR BIOLOGY & RECOMBINANT DNA TECHNOLOGY
	98754	COMPUTER HARDWARE & NETWORK ADMINISTRATION-NETWORK CONCEPTS II
	98954	SEED-TECHNOLOGY-ENTREPRENEURSHIP DEVELOPMENT

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Wednesday 13-11-2019	95653	INDUSTRIAL CHEMISTRY PAPER - V -ANALYTICAL METHODS OF CHEMICAL ANALYSIS
	95753	BIOTECHNOLOGY PAPER - V -BIOTECHNOLOGY -PLANT AND ANIMAL BIOTECHNOLOGY
	98053	PHOTOGRAPHY AUDIO VISUAL PROD. PAPER V -VIDEO RECORDING AND PLAYBACK SYSTEMS
	98153	ELECTRONIC EQUIP.& MAINT.THEORY PAPER V - TROUBLESHOOTING AND REPAIR OF AUDIO AND VIDEO EQUIPMENT
	98253	INDUSTRIAL MICROBIOLOGY THEORY PAPER V -INDU.MICROBIO-POLLUTION CONTROL TECHNOLOGY
	98753	COMPUTER HARDWARE ADMN.NETWORK PAPER V -NETWORK CONCEPTS -I
	98953	SEED TECHNOLOGY PAPER V -SEED PATHOLOGY AND ENTOMOLOGY

VOCATIONAL P-VI

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Friday 18-10-2019	95664	INDUSTRIAL-CHEMISTRY BASIC CHEMICAL INDUSTRIES -II
	95764	BIOTECHNOLOGY- ENTREPRENEURSHIP DEVELOPMENT
	98064	PHOTOGRAPHY AND AUDIO-VISUAL PRODUCTION- RADIO PRODUCTION
	98164	ELECTRONIC EQUIPMENT MAINTENANCE- MEDICAL INSTRUMENTATION
	98264	INDUSTRIAL MICRO BIOLOGY-ENTREPRENEURSHIP DEVELOPMENT
	98764	COMPUTER HARDWARE & NETWORK ADMINISTRATION- ENTREPRENEURSHIP DEVELOPMENT
	98964	SEED-TECHNOLOGY-BIOTECHNOLOGY AND INTELLECTUAL PROPERTY RIGHTS

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 14-11-2019	95663	INDUSTRIAL CHEMISTRY PAPER - VI - BASIC CHEMICAL INDUSTRIES-I
	95763	BIOTECHNOLOGY PAPER - VI : MICROBIAL BIOTECHNOLOGY AND FERMENTATION
	98063	STILL PHOTO - VIDEO PRODUCTION
	98163	ELECTRONIC EQUIP.& MAINT.THEORY PAPER VI -ELECTRONIC INSTRUMENTATION
	98263	INDUSTRIAL MICROBIOLOGY THEORY PAPER VI -INDU.MICROBIO-ANIM.&PLAN.TISSUE CULTURE
	98763	COMPUTER HARDWARE ADMN.NETWORK PAPER VI -COMPUTER SERVICE MANAGEMENT
	98963	SEED TECHNOLOGY PAPER VI -SEED FARM MANAGEMENT PROCESSING AND STORAGE

ZOOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	91514	ZY- 341 BIOLOGICAL TECHNIQUES
Friday 11-10-2019	91524	ZY-342 MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY
Saturday 12-10-2019	91534	ZY-343- GENETICS AND MOLECULAR BIOLOGY
Monday 14-10-2019	91544	ZY 344-ORGANIC EVOLUTION
Tuesday 15-10-2019	91554	ZY-345 GENERAL EMBRYOLOGY
Wednesday 16-10-2019	915A4	ZY-346 – A) PUBLIC HEALTH AND HYGIENE (OR)
	915B4	ZY-346 -B) MEDICAL ENTOMOLOGY

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 04-11-2019	91513	ZY-331 ANIMAL SYSTEMATICS AND DIVERSITY V
Tuesday 05-11-2019	91523	ZY-332 MAMMALIAN HISTOLOGY
Wednesday 06-11-2019	91533	ZY-333 BIOLOGICAL CHEMISTRY
Thursday 07-11-2019	91543	ZY-334 ENVIRONMENTAL BIOLOGY AND TOXICOLOGY
Friday 08-11-2019	91553	ZY-335 PARASITOLOGY
Monday 11-11-2019	915A3	ZY-336 -A) GENERAL PATHOLOGY (OR)
	915B3	ZY-336 -B) CELL BIOLOGY

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)
(INCLUDING VOC)/291/S-2019**

NOTE: -

1. The practical examination T.Y.B.Sc. (Including Vocational) will be conducted before theory examination between 19/09/2019 to 30/09/2019.
2. Backlog students of T.Y.B.Sc. (Including Vocational) 2008 pattern will have to appear for equivalence subject of 2013 pattern.
3. # As equivalence to this subject is not given, candidates of 2008 pattern will have to appear the subject as per 2008 pattern.

Ganeshkhind, Pune - 411 007

Ref.No/XCT:1221

Date:04/10/2019

Director

Board of Examinations And Evaluation