

# **SAVITRIBAI PHULE PUNE UNIVERSITY**

**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.496 OF. 2020  
THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)(INCLUDING VOC)**

**Examination of March/April/May 2020**

**(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 - III

Time:-02.00 PM To 04.00 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91413	BO. 331 CRYPTOGAMIC BOTANY
Friday 20-03-2020	91423	BO. 332 CELL AND MOLECULAR BIOLOGY
Saturday 21-03-2020	91433	BO. 333 GENETICS AND EVOLUTION
Monday 23-03-2020	91443	BO. 334 SPERMATOPHYTA AND PALAEOBOTANY
Tuesday 24-03-2020	91453	BO. 335 HORTICULTURE AND FLORICULTURE
Thursday 26-03-2020	91463	BO. 336 COMPUTATIONAL BOTANY

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91414	BO.341 PLANT PHYSIOLOGY & BIOCHEMISTRY
Monday 30-03-2020	91424	BO.342 PLANT ECOLOGY AND BIODIVERSITY
Tuesday 31-03-2020	91434	BO.343 PLANT PATHOLOGY
Wednesday 01-04-2020	91444	BO.344 MEDICINAL AND ECONOMIC BOTANY
Friday 03-04-2020	91454	BO.345 PLANT BIOTECHNOLOGY
Saturday 04-04-2020	91464	BO. 346 PLANT BREEDING AND SEED TECHNOLOGY

## CHEMISTRY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91313	CH-331: PHYSICAL CHEMISTRY
Friday 20-03-2020	91323	CH-332: INORGANIC CHEMISTRY
Saturday 21-03-2020	91333	CH-333: ORGANIC CHEMISTRY
Monday 23-03-2020	91343	CH-334: ANALYTICAL CHEMISTRY
Tuesday 24-03-2020	91353	CH-335: INDUSTRIAL CHEMISTRY
Thursday 26-03-2020	913A3	CH-336-A NUCLEAR CHEMISTRY
	913B3	CH-336-B POLYMER CHEMISTRY
	913C3	CH-336-C INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY
	913D3	CH-336-D ENVIRONMENTAL AND GREEN CHEMISTRY
	913E3	CH-336-E AGRICULTURE CHEMISTRY

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91314	CH-341: PHYSICAL CHEMISTRY
Monday 30-03-2020	91324	CH-342: INORGANIC CHEMISTRY
Tuesday 31-03-2020	91334	CH-343: ORGANIC CHEMISTRY
Wednesday 01-04-2020	91344	CH-344: ANALYTICAL CHEMISTRY
Friday 03-04-2020	91354	CH-345: INDUSTRIAL CHEMISTRY
Saturday 04-04-2020	913A4	CH-346A: NUCLEAR CHEMISTRY
	913B4	CH-346B: POLYMER CHEMISTRY
	913C4	CH-346C: INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY (OR)

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Saturday 04-04-2020	913D4	CH-346D: ENVIRONMENTAL AND GREEN CHEMISTRY(OR)
	913E4	CH-346E: DAIRY CHEMISTRY

## DEFENCE STUDIES

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 19-03-2020	92313	DS-301 DEFENCE STUDIES THEORY PAPER-I : INDIA'S FOREIGN AND DEFENCE POLICY
Friday 20-03-2020	92323	DS-302 DEFENSE STUDIES THEORY PAPER II : DEFENSE ECONOMICS
Saturday 21-03-2020	92333	DS-303 DEFENSE STUDIES THEORY PAPER-III : RESEARCH METHODOLOGY
Monday 23-03-2020	92343	DS-304 DEFENSE STUDIES THEORY PAPER IV : SCIENCE TECHNOLOGY AND NATIONAL SECURITY
Tuesday 24-03-2020	92353	DS-305 DEFENSE STUDIES THEORY PAPER-V : DEFENCE PLANNING AND MANAGEMENT IN INDIA
Thursday 26-03-2020	923A3	DS-306-A DEFENCE STUDIES PAPER-VI : MILITARY AND MEDIA
	923B3	DS-306-B DEFENCE STUDIES PAPER-VI : ARMED CONFLICTS AND HUMAN RIGHTS
Friday 27-03-2020	923C3	DS-307-A DEFENSE STUDIES PAPER-VII : DISASTER MANAGEMENT
	923D3	DS-307-B DEFENSE STUDIES PAPER-VII : GLOBAL SECURITY I
Monday 30-03-2020	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)
Tuesday 31-03-2020	923G3	DS-309 -A DEFENCE STUDIES PAPER-IX : REGIONAL SECURITY SYSTEM
	923H3	DS-309 -B DEFENCE STUDIES PAPER-IX : STRATEGIC ENVIRONMENT OF INDIAN OCEAN

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Wednesday 01-04-2020	92314	DS 401 INTERNAL SECURITY OF INDIA
Friday 03-04-2020	92324	DS 402 TRENDS IN INDIA'S DEFENCE EXPENDITURE

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Saturday 04-04-2020	92344	DS 404 INFORMATION WARFARE AND CYBER SECURITY
Tuesday 07-04-2020	92354	DS 405 DEFENCE PRODUCTION AND LOGISTICS IN INDIA
Wednesday 08-04-2020	923A4	DS 406(A)DEFENCE JOURNALISM AND NATIONAL SECURITY
	923B4	DS 406(B)GENDER BASED CONFLICTS AND HUMAN RIGHTS
Thursday 09-04-2020	923C4	DS 407(A) ROLE OF THE ARMED FORCES IN DISASTER MANAGEMENT
	923D4	DS407 (B) GLOBAL SECURITY II
Saturday 11-04-2020	923E4	DS 408(A) INDIAN MILITARY STRATEGY (1947-2014)
	923F4	DS 408(B) INDIAN MILITARY STRATEGY (1680-1818)
Monday 13-04-2020	923G4	DS 409(A) UNITED NATIONS ORGANISATION
	923H4	DS 409(B) INDIA'S MARITIME SECURITY

## ELECTRONICS

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	92213	EL-331: ADVANCED DIGITAL SYSTEM DESIGN
Friday 20-03-2020	92223	EL-332: MICROCONTROLLERS
Saturday 21-03-2020	92233	EL-333: ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR IC'S
Monday 23-03-2020	92243	EL-334: PRINCIPLES OF SEMICONDUCTORS DEVICES
Tuesday 24-03-2020	92253	EL-335: 'C' PROGRAMMING
Thursday 26-03-2020	922A3	EL-336-A:FIBER OPTIC COMMUNICATION
	922B3	EL-336-B:ELECTRONICS PRODUCT DESIGN & ENTREPRENEURSHIP

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	92214	EL-341 : ADVANCED COMMUNICATION SYSTEMS
Monday 30-03-2020	92224	EL-342 : MICROCONTROLLER AND ITS APPLICATIONS
Tuesday 31-03-2020	92234	EL-343 : POWER ELECTRONICS
Wednesday 01-04-2020	92244	EL-344 : FOUNDATIONS OF NANOELECTRONICS
Friday 03-04-2020	92254	EL-345 : MATHEMATICAL METHODS & ANALYSIS USING MATALAB
Saturday 04-04-2020	922A4	EL-346-OPTIONAL COURSE : A) INDUSTRIAL AUTOMATION
	922B4	EL-346-OPTIONAL COURSE : B) CONSUMER ELECTRONICS

## ENVIRONMENTAL

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Thursday 19-03-2020	92413	ENV-301 : ENVIRONMENTAL SCIENCE THEORY PAPER I TERRESTRIAL ECOSYSTEMS & MANAGEMENT
Friday 20-03-2020	92423	ENV-302 : ENVIRONMENTAL SCIENCE THEORY PAPER II WILDLIFE BIOLOGY
Saturday 21-03-2020	92433	ENV-303 : ENVIRONMENTAL SCIENCE THEORY PAPER-III-WATER QUALITY
Monday 23-03-2020	92443	ENV-304 ENVIRONMENTAL SCIENCE PAPER-IV : ISSUES IN ENVIRONMENTAL SCIENCE
Tuesday 24-03-2020	92453	ENV-305 : ENVIRONMENTAL SCIENCE THEORY PAPER V ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS
Thursday 26-03-2020	92463	ENV-306 : ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-I

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Friday 27-03-2020	92414	ENV-341 : ENVIRONMENTAL SCIENCE THEORY PAPER I : AQUATIC ECOSYSTEMS & MANAGEMENT
Monday 30-03-2020	92424	ENV-342 :ENVIRONMENTAL SCIENCE THEORY PAPER II : NATURE CONSERVATION
Tuesday 31-03-2020	92434	ENV-343 :ENVIRONMENTAL SCIENCE THEORY PAPER III : AIR & SOIL QUALITY
Wednesday 01-04-2020	92444	ENV-344 :ENVIRONMENTAL SCIENCE THEORY PAPER IV : ISSUES IN ENVIRONMENTAL SCIENCE
Friday 03-04-2020	92454	ENV-345 :ENVIRONMENTAL SCIENCE THEORY PAPER V : ENVIRONMENTAL GOVERNANCE & EQUITY : EMS ISO 14000
Saturday 04-04-2020	92464	ENV-346 :ENVIRONMENTAL SCIENCE THEORY PAPER VI : ENVIRONMENTAL BIOTECHNOLOGY-II



## GEOGRAPHY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91813	GG-331 FUNDAMENTALS OF HUMAN GEOGRAPHY (PART I)
Friday 20-03-2020	91823	GG-332: GEOGRAPHY OF TRAVEL AND TOURISM (PART I)
Saturday 21-03-2020	91833	GG-333 FUNDAMENTALS OF GEO-INFORMATICS(PART I)
Monday 23-03-2020	91843	GG-334 GEOGRAPHY OF INDIA(PART I)
Tuesday 24-03-2020	91853	GG-335: GEOGRAPHY OF SOILS(PART I)
Thursday 26-03-2020	91863	GG-336: FUNDAMENTALS OF GEO-INFORMATICS(PART I)

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91814	GG-341:FUNDAMENTALS OF HUMAN GEOGRAPHY (PART II)
Monday 30-03-2020	91824	GG-342: GEOGRAPHY OF TRAVEL AND TOURISM (PART II)
Tuesday 31-03-2020	91834	GG-343 FUNDAMENTALS OF GEO-INFORMATICS(PART II)
Wednesday 01-04-2020	91844	GG-344 GEOGRAPHY OF INDIA(PART II)
Friday 03-04-2020	91854	GG-345: GEOGRAPHY OF SOILS(PART II)
Saturday 04-04-2020	91864	GG-346: FUNDAMENTALS OF GEO-INFORMATICS(PART II)

## GEOLOGY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91613	GL331: MINERALOGY
Friday 20-03-2020	91623	GL332: IGNEOUS PETROLOGY
Saturday 21-03-2020	91633	GL333: SEDIMENTARY PETROLOGY
Monday 23-03-2020	91643	GL334: STRUCTURAL GEOLOGY
Tuesday 24-03-2020	91653	GL335: PRECAMBRIAN STRATIGRAPHY OF INDIA
Thursday 26-03-2020	91663	GL336: FLUID GEOLOGY I (GEOMORPHOLOGY REMOTE-SENS)

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91614	GL-341: METAMORPHIC PETROLOGY
Monday 30-03-2020	91624	GL-342: ENVIRONMENTAL GEOLOGY
Tuesday 31-03-2020	91634	GL-343: ECONOMIC GEOLOGY
Wednesday 01-04-2020	91644	GL-344: GEOTECTONICS
Friday 03-04-2020	91654	GL-345: PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEOLOGY
Saturday 04-04-2020	91664	GL-346: APPLIED GEOLOGY-II(ENGINEERING GEOLOGY GEOHYDROLOGY & PROSPECTING)

## MATHEMATICS

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91113	MT 331 : METRIC SPACES
Friday 20-03-2020	91123	MT 332 : REAL ANALYSIS-I
Saturday 21-03-2020	91133	MT 333 :PROBLEM COURSE ON MT 331 AND MT 332
Monday 23-03-2020	91143	MT 334 : GROUP THEORY
Tuesday 24-03-2020	91153	MT 335 : ORDINARY DIFFERENTIAL EQUATIONS
Thursday 26-03-2020	91163	MT 336 : PROBLEM COURSE ON MT 334 AND MT 335
Friday 27-03-2020	911A3	MT 337 : A. OPERATIONS RESEARCH
Monday 30-03-2020	911B3	MT 337 : B. DYNAMICAL SYSTEM
Tuesday 31-03-2020	911C3	MT 337 : C. PROGRAMMING I
Wednesday 01-04-2020	911D3	MT 337 : D. LATTICE THEORY
Friday 03-04-2020	911E3	MT 337 : E. FINANCIAL MATHEMATICS
Saturday 04-04-2020	911F3	MT 337 : F. NUMBER THEORY

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 07-04-2020	91114	MT 341 : COMPLEX ANALYSIS
Wednesday 08-04-2020	91124	MT 342 : REAL ANALYSIS-II
Thursday 09-04-2020	91134	MT 343 : PROBLEM COURSE ON MT-341 & MT-342
Saturday 11-04-2020	91144	MT 344 : RING THEORY
Monday 13-04-2020	91154	MT 345 : PARTIAL DEFERENTIAL EQUATIONS
Wednesday 15-04-2020	91164	MT 346 : PROBLEM COURSE ON MT-344 & MT-345
Thursday 16-04-2020	911A4	MT-347 A : OPTIMIZATION TECHNIQUES

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Friday 17-04-2020	911B4	MT-347 B : DIFFERENTIAL GEOMETRY
Saturday 18-04-2020	911C4	MT-347 C :PROGRAMMING-II
Monday 20-04-2020	911D4	MT-347 D : GRAPH THEORY
Tuesday 21-04-2020	911E4	MT-347 E : LEBSEGUE INTEGRATION
Wednesday 22-04-2020	911F4	MT-347 F : COMPUTATIONAL GEOMETRY

## MICROBIOLOGY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91913	MB-331: MEDICAL MICROBIOLOGY - I
Friday 20-03-2020	91923	MB-332: GENETICS & MOLECULAR BIOLOGY - I
Saturday 21-03-2020	91933	MB-333: ENZYMOLOGY
Monday 23-03-2020	91943	MB-334: IMMUNOLOGY-I
Tuesday 24-03-2020	91953	MB-335: FERMENTATION TECHNOLOGY - I
Thursday 26-03-2020	91963	MB-336: FOOD & DAIRY MICROBIOLOGY

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91914	MB-341 : MEDICAL MICROBIOLOGY-II
Monday 30-03-2020	91924	MB-342 : GENETICS & MOLECULAR BIOLOGY-II
Tuesday 31-03-2020	91934	MB-343 : METABOLISM
Wednesday 01-04-2020	91944	MB-344 : IMMUNOLOGY-II
Friday 03-04-2020	91954	MB-345 : FERMENTATION TECHNOLOGY-II
Saturday 04-04-2020	91964	MB-346 : AGRICULTURAL ENVIRONMENTAL MICROBIOLOGY

## NanoScience

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	92613	(NNT331) POLYMER AND COMPOSITES
Friday 20-03-2020	92623	(NNT332) NANOPHYSICS
Saturday 21-03-2020	92633	(NNT333) NANOBIOTECHNOLOGY
Monday 23-03-2020	92643	(NNT334) CARBON BASED NANOMATERIALS
Tuesday 24-03-2020	92653	(NNT335) ENERGY CONVERSION DEVICES & APPLICATIONS
Thursday 26-03-2020	92663	(NNT336) ENVIRONMENTAL NANOTECHNOLOGY AND APPLICATIONS

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	92614	NNT341 : POLYMER HETERO - STRUTURES AND THEIR APPLICATIONSS
Monday 30-03-2020	92624	NNT342 : FUNCTIONAL NANOMATERIALS
Tuesday 31-03-2020	92634	NNT343 : APPLICATIONS OF NANOBIOTECHNOLOGY
Wednesday 01-04-2020	92644	NNT344 : NANO ELECTRONICS
Friday 03-04-2020	92654	NNT345 : ENERGY STORAGE DEVICES AND APPLICATIONS
Saturday 04-04-2020	92664	NNT346 : PHOTOCATALASIS FOR ENVIRONMENTAL POLLUTION CONTROL

## PHYSICS

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

Day & Date	Paper Code	Subject
Thursday 19-03-2020	91213	PH-331: MATHEMATICAL METHODS IN PHYSICS II
Friday 20-03-2020	91223	PH 332: SOLID STATE PHYSICS
Saturday 21-03-2020	91233	PH-333: CLASSICAL MECHANICS
Monday 23-03-2020	91243	PH-334: ATOMIC AND MOLECULAR PHYSICS
Tuesday 24-03-2020	91253	PH-335: COMPUTATIONAL PHYSICS
Thursday 26-03-2020	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

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

Day & Date	Paper Code	Subject
Friday 27-03-2020	91214	PH-341 : CLASSICAL ELECTRODYNAMICS
Monday 30-03-2020	91224	PH-342 : QUANTUM MECHANICS
Tuesday 31-03-2020	91234	PH-343 : THERMODYNAMICS & STATISTICAL PHYSICS
Wednesday 01-04-2020	91244	PH-344 : NUCLEAR PHYSICS
Friday 03-04-2020	91254	PH-345 : ELECTRONICS / ADVANCED ELECTRONICS
Saturday 04-04-2020	912G4	PH-346-G :MEDICAL ELECTRONICS
	912H4	PH-346-H :PHYSICS OF NANOMATERIALS
	912I4	PH-346-I :MICROCONTROLLERS

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Saturday 04-04-2020	912J4	PH-346-J : ELECTRO-ASCOUSTIC & ENTERTAINMENT ELECTRONICS
	912K4	PH-346-K :LASERS
	912L4	PH-346-L : RADIATION PHYSICS



## PSYCHOLOGY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	92013	Psychology of Communication
Friday 20-03-2020	92023	Cognitive Psychology
Saturday 21-03-2020	92033	Statistical Methods
Monday 23-03-2020	92043	Psychopathology
Tuesday 24-03-2020	92053	Applied Psychology
Thursday 26-03-2020	92063	Organizational Behaviour

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	92014	Understanding Counseling Process
Monday 30-03-2020	92024	Human Resource Management
Tuesday 31-03-2020	92034	Consumer Psychology
Wednesday 01-04-2020	92044	Counseling Skill
Friday 03-04-2020	92054	Positive Psychology
Saturday 04-04-2020	92064	Forensic Psychology

## STATISTICS

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 19-03-2020	91713	ST-331: DISTRIBUTION THEORY
Friday 20-03-2020	91723	ST-332: THEORY OF ESTIMATION
Saturday 21-03-2020	91733	ST-333: SAMPLING METHODS
Monday 23-03-2020	91743	ST-334: DESIGN OF EXPERIMENTS
Tuesday 24-03-2020	91753	ST-335: C PROGRAMMING (TURBO C)
Thursday 26-03-2020	91763	ST-336: INTRODUCTION TO REGRESSION ANALYSIS

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Friday 27-03-2020	91714	ST-341:ACTUARIAL STATISTICS
Monday 30-03-2020	91724	ST-342:TESTING OF HYPOTHESES
Tuesday 31-03-2020	91734	ST-343: STATISTICAL QUALITY CONTROL
Wednesday 01-04-2020	91744	ST-344: OPERATION RESEARCH
Friday 03-04-2020	917A4	ST-345(A):RELIABILITY & SURVIVAL ANALYSIS (OR)
	917B4	ST-345(B):INTRODUCATION TO STOCHASTIC PROCESSES
Saturday 04-04-2020	91764	ST-346:STATISTICAL COMPUTING USING R SOFTWARE (Batch-I Time : 10 AM to 12 PM & Batch-II Time : 02 PM to 04 PM)
Tuesday 07-04-2020	91764	ST-346:STATISTICAL COMPUTING USING R SOFTWARE (Batch-I Time : 10 AM to 12 PM & Batch-II Time : 02 PM to 04 PM)
Wednesday 08-04-2020	91764	ST-346:STATISTICAL COMPUTING USING R SOFTWARE (Batch-I Time : 10 AM to 12 PM & Batch-II Time : 02 PM to 04 PM)

**VOCATIONAL P-V**

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Friday 27-03-2020	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

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Tuesday 07-04-2020	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

**VOCATIONAL P-VI**

SEMESTER - III

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Monday 30-03-2020	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

SEMESTER - IV

Time:-02.00 PM To 04.00 PM

Day & Date	Paper Code	Subject
Wednesday 08-04-2020	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

## ZOOLOGY

### SEMESTER - III

**Time:-02.00 PM To 04.00 PM**

Day & Date	Paper Code	Subject
Thursday 19-03-2020	91513	ZY-331 ANIMAL SYSTEMATICS AND DIVERSITY V
Friday 20-03-2020	91523	ZY-332 MAMMALIAN HISTOLOGY
Saturday 21-03-2020	91533	ZY-333 BIOLOGICAL CHEMISTRY
Monday 23-03-2020	91543	ZY-334 ENVIRONMENTAL BIOLOGY AND TOXICOLOGY
Tuesday 24-03-2020	91553	ZY-335 PARASITOLOGY
Thursday 26-03-2020	915A3	ZY-336 -A) GENERAL PATHOLOGY (OR)
	915B3	ZY-336 -B) CELL BIOLOGY

### SEMESTER - IV

**Time:-02.00 PM To 04.00 PM**

Day & Date	Paper Code	Subject
Friday 27-03-2020	91514	ZY- 341 BIOLOGICAL TECHNIQUES
Monday 30-03-2020	91524	ZY-342 MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY
Tuesday 31-03-2020	91534	ZY-343- GENETICS AND MOLECULAR BIOLOGY
Wednesday 01-04-2020	91544	ZY 344-ORGANIC EVOLUTION
Friday 03-04-2020	91554	ZY-345 GENERAL EMBRYOLOGY
Saturday 04-04-2020	915A4	ZY-346 – A) PUBLIC HEALTH AND HYGIENE (OR)
	915B4	ZY-346 -B) MEDICAL ENTOMOLOGY

**NOTE: -**

1. The practical examination T.Y.B.Sc. (Including Vocational) will be conducted before theory examination between 04/03/2020 to 17/03/2020.
2. Backlog students of T.Y.B.Sc. (Including Vocational) 2008 pattern will have to appear for equivalence subject of 2013 pattern.

Ganeshkhind, Pune - 411 007

**Ref.No/XCT:1869**

**Date:14/02/2020**

**Director**

**Board of Examinations And Evaluation**