

# **SAVITRIBAI PHULE PUNE UNIVERSITY**

**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.129 OF. 2017  
THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)(INCLUDING VOC)**

**Examination of Oct/Nov/Dec 2017**

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

## **INSTRUCTIONS FOR CANDIDATES**

- Candidates are required to be present at the examination centre, FIFTEEN MINUTES before the time fixed for the first paper and TEN MINUTES before the time of each subsequent 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:-02.30 PM To 04.30 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91414	BO.341 PLANT PHYSIOLOGY & BIOCHEMISTRY
Wednesday 04-10-2017	91424	BO.342 PLANT ECOLOGY AND BIODIVERSITY
Thursday 05-10-2017	91434	BO.343 PLANT PATHOLOGY
Friday 06-10-2017	91444	BO.344 MEDICINAL AND ECONOMIC BOTANY
Saturday 07-10-2017	91454	BO.345 PLANT BIOTECHNOLOGY
Monday 09-10-2017	91464	BO. 346 PLANT BREEDING AND SEED TECHNOLOGY

SEMESTER - III

Time:-02.30 PM To 04.30 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91413	BO. 331 CRYPTOGAMIC BOTANY
Wednesday 25-10-2017	91423	BO. 332 CELL AND MOLECULAR BIOLOGY
Thursday 26-10-2017	91433	BO. 333 GENETICS AND EVOLUTION
Friday 27-10-2017	91443	BO. 334 SPERMATOPHYTA AND PALAEOBOTANY
Saturday 28-10-2017	91453	BO. 335 HORTICULTURE AND FLORICULTURE
Monday 30-10-2017	91463	BO. 336 COMPUTATIONAL BOTANY

## CHEMISTRY

### SEMESTER - IV

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91314	CH-341: PHYSICAL CHEMISTRY
Wednesday 04-10-2017	91324	CH-342: INORGANIC CHEMISTRY
Thursday 05-10-2017	91334	CH-343: ORGANIC CHEMISTRY
Friday 06-10-2017	91344	CH-344:ANALYTICAL CHEMISTRY
Saturday 07-10-2017	91354	CH-345:INDUSTRIAL CHEMISTRY
Monday 09-10-2017	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:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91313	CH-331: PHYSICAL CHEMISTRY
Wednesday 25-10-2017	91323	CH-332: INORGANIC CHEMISTRY
Thursday 26-10-2017	91333	CH-333: ORGANIC CHEMISTRY
Friday 27-10-2017	91343	CH-334: ANALYTICAL CHEMISTRY
Saturday 28-10-2017	91353	CH-335: INDUSTRIAL CHEMISTRY
Monday 30-10-2017	913A3	CH-336-A NUCLEAR CHEMISTRY
	913B3	CH-336-B POLYMER CHEMISTRY
	913C3	CH-336-C INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/129/S-2017**

Monday 30-10-2017	913D3	CH-336-D ENVIRONMENTAL AND GREEN CHEMISTRY
	913E3	CH-336-E AGRICULTURE CHEMISTRY

## DEFENCE STUDIES

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	92314	DS 401 INTERNAL SECURITY OF INDIA
Wednesday 04-10-2017	92324	DS 402 TRENDS IN INDIA'S DEFENCE EXPENDITURE
Thursday 05-10-2017	92344	DS 404 INFORMATION WARFARE AND CYBER SECURITY
Friday 06-10-2017	92354	DS 405 DEFENCE PRODUCTION AND LOGISTICS IN INDIA
Saturday 07-10-2017	923A4	DS 406(A)DEFENCE JOURNALISM AND NATIONAL SECURITY
	923B4	DS 406(B)GENDER BASED CONFLICTS AND HUMAN RIGHTS
Monday 09-10-2017	923C4	DS 407(A) ROLE OF THE ARMED FORCES IN DISASTER MANAGEMENT
	923D4	DS407 (B) GLOBAL SECURITY II
Tuesday 10-10-2017	923E4	DS 408(A) INDIAN MILITARY STRATEGY (1947-2014)
	923F4	DS 408(B) INDIAN MILITARY STRATEGY (1680-1818)
Wednesday 11-10-2017	923G4	DS 409(A) UNITED NATIONS ORGANISATION
	923H4	DS 409(B) INDIA'S MARITIME SECURITY

SEMESTER - III

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	92313	DS-301 DEFENCE STUDIES THEORY PAPER-I : INDIA'S FOREIGN AND DEFENCE POLICY
Wednesday 25-10-2017	92323	DS-302 DEFENSE STUDIES THEORY PAPER II : DEFENSE ECONOMICS
Thursday 26-10-2017	92333	DS-303 DEFENSE STUDIES THEORY PAPER-III : RESEARCH METHODOLOGY
Friday 27-10-2017	92343	DS-304 DEFENSE STUDIES THEORY PAPER IV : SCIENCE TECHNOLOGY AND NATIONAL SECURITY
Saturday 28-10-2017	92353	DS-305 DEFENSE STUDIES THEORY PAPER-V : DEFENCE PLANNING AND MANAGEMENT IN INDIA

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
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Monday 30-10-2017	923A3	DS-306-A DEFENCE STUDIES PAPER-VI : MILITARY AND MEDIA
	923B3	DS-306-B DEFENCE STUDIES PAPER-VI : ARMED CONFLICTS AND HUMAN RIGHTS
Tuesday 31-10-2017	923C3	DS-307-A DEFENSE STUDIES PAPER-VII : DISASTER MANAGEMENT
	923D3	DS-307-B DEFENSE STUDIES PAPER-VII : GLOBAL SECURITY I
Wednesday 01-11-2017	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)
Thursday 02-11-2017	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:-02.30 PM To 04.30 PM**

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	92214	EL-341 : ADVANCED COMMUNICATION SYSTEMS
Wednesday 04-10-2017	92224	EL-342 : MICROCONTROLLER AND ITS APPLICATIONS
Thursday 05-10-2017	92234	EL-343 : POWER ELECTRONICS
Friday 06-10-2017	92244	EL-344 : FOUNDATIONS OF NANOELECTRONICS
Saturday 07-10-2017	92254	EL-345 : MATHEMATICAL METHODS & ANALYSIS USING MATALAB
Monday 09-10-2017	922A4	EL-346-OPTIONAL COURSE : A) INDUSTRIAL AUTOMATION
	922B4	EL-346-OPTIONAL COURSE : B) CONSUMER ELECTRONICS

### SEMESTER - III

**Time:-02.30 PM To 04.30 PM**

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	92213	EL-331: ADVANCED DIGITAL SYSTEM DESIGN
Wednesday 25-10-2017	92223	EL-332: MICROCONTROLLERS
Thursday 26-10-2017	92233	EL-333: ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR IC'S
Friday 27-10-2017	92243	EL-334: PRINCIPLES OF SEMICONDUCTORS DEVICES
Saturday 28-10-2017	92253	EL-335: 'C' PROGRAMMING
Monday 30-10-2017	922A3	EL-336-A:FIBER OPTIC COMMUNICATION
	922B3	EL-336-B:ELECTRONICS PRODUCT DESIGN & ENTREPRENEURSHIP

## ENVIRONMENTAL

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	92414	ENV-341 : ENVIRONMENTAL SCIENCE THEORY PAPER I : AQUATIC ECOSYSTEMS & MANAGEMENT
Wednesday 04-10-2017	92424	ENV-342 :ENVIRONMENTAL SCIENCE THEORY PAPER II : NATURE CONSERVATION
Thursday 05-10-2017	92434	ENV-343 :ENVIRONMENTAL SCIENCE THEORY PAPER III : AIR & SOIL QUALITY
Friday 06-10-2017	92444	ENV-344 :ENVIRONMENTAL SCIENCE THEORY PAPER IV : ISSUES IN ENVIRONMENTAL SCIENCE
Saturday 07-10-2017	92454	ENV-345 :ENVIRONMENTAL SCIENCE THEORY PAPER V : ENVIRONMENTAL GOVERNANCE & EQUITY : EMS ISO 14000
Monday 09-10-2017	92464	ENV-346 :ENVIRONMENTAL SCIENCE THEORY PAPER VI : ENVIRONMENTAL BIOTECHNOLOGY-II

SEMESTER - III

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	92413	ENV-301 : ENVIRONMENTAL SCIENCE THEORY PAPER I TERRESTRIAL ECOSYSTEMS & MANAGEMENT
Wednesday 25-10-2017	92423	ENV-302 : ENVIRONMENTAL SCIENCE THEORY PAPER II WILDLIFE BIOLOGY
Thursday 26-10-2017	92433	ENV-303 : ENVIRONMENTAL SCIENCE THEORY PAPER-III-WATER QUALITY
Friday 27-10-2017	92443	ENV-304 ENVIRONMENTAL SCIENCE PAPER-IV : ISSUES IN ENVIRONMENTAL SCIENCE
Saturday 28-10-2017	92453	ENV-305 : ENVIRONMENTAL SCIENCE THEORY PAPER V ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS
Monday 30-10-2017	92463	ENV-306 : ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-I



## GEOGRAPHY

### SEMESTER - IV

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91814	GG-341:FUNDAMENTALS OF HUMAN GEOGRAPHY (PART II)
Wednesday 04-10-2017	91824	GG-342: GEOGRAPHY OF TRAVEL AND TOURISM (PART II)
Thursday 05-10-2017	91834	GG-343 FUNDAMENTALS OF GEO-INFORMATICS(PART II)
Friday 06-10-2017	91844	GG-344 GEOGRAPHY OF INDIA(PART II)
Saturday 07-10-2017	91854	GG-345: GEOGRAPHY OF SOILS(PART II)
Monday 09-10-2017	91864	GG-346: FUNDAMENTALS OF GEO-INFORMATICS(PART II)

### SEMESTER - III

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91813	GG-331 FUNDAMENTALS OF HUMAN GEOGRAPHY (PART I)
Wednesday 25-10-2017	91823	GG-332: GEOGRAPHY OF TRAVEL AND TOURISM (PART I)
Thursday 26-10-2017	91833	GG-333 FUNDAMENTALS OF GEO-INFORMATICS(PART I)
Friday 27-10-2017	91843	GG-334 GEOGRAPHY OF INDIA(PART I)
Saturday 28-10-2017	91853	GG-335: GEOGRAPHY OF SOILS(PART I)
Monday 30-10-2017	91863	GG-336: FUNDAMENTALS OF GEO-INFORMATICS(PART I)

## GEOLOGY

### SEMESTER - IV

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91614	GL-341: METAMORPHIC PETROLOGY
Wednesday 04-10-2017	91624	GL-342: ENVIRONMENTAL GEOLOGY
Thursday 05-10-2017	91634	GL-343: ECONOMIC GEOLOGY
Friday 06-10-2017	91644	GL-344: GEOTECTONICS
Saturday 07-10-2017	91654	GL-345: PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEOLOGY
Monday 09-10-2017	91664	GL-346: APPLIED GEOLOGY-II(ENGINEERING GEOLOGY GEOHYDROLOGY & PROSPECTING)

### SEMESTER - III

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91613	GL331: MINERALOGY
Wednesday 25-10-2017	91623	GL332: IGNEOUS PETROLOGY
Thursday 26-10-2017	91633	GL333: SEDIMENTARY PETROLOGY
Friday 27-10-2017	91643	GL334: STRUCTURAL GEOLOGY
Saturday 28-10-2017	91653	GL335: PRECAMBRIAN STRATIGRAPHY OF INDIA
Monday 30-10-2017	91663	GL336: FLUID GEOLOGY I (GEOMORPHOLOGY REMOTE-SENS)

**Mathematics**

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	91114	MT 341 : COMPLEX ANALYSIS
Wednesday 04-10-2017	91124	MT 342 : REAL ANALYSIS-II
Thursday 05-10-2017	91134	MT 343 : PROBLEM COURSE ON MT-341 & MT-342
Friday 06-10-2017	91144	MT 344 : RING THEORY
Saturday 07-10-2017	91154	MT 345 : PARTIAL DEFERENTIAL EQUATIONS
Monday 09-10-2017	91164	MT 346 : PROBLEM COURSE ON MT-344 & MT-345
Tuesday 10-10-2017	911A4	MT-347 A : OPTIMIZATION TECHNIQUES
Wednesday 11-10-2017	911B4	MT-347 B : DIFFERENTIAL GEOMETRY
Thursday 12-10-2017	911C4	MT-347 C :PROGRAMMING-II
Friday 13-10-2017	911D4	MT-347 D : GRAPH THEORY
Saturday 14-10-2017	911E4	MT-347 E : LEBSEGUE INTEGRATION
Monday 23-10-2017	911F4	MT-347 F : COMPUTATIONAL GEOMETRY

SEMESTER - III

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	91113	MT 331 : METRIC SPACES
Wednesday 25-10-2017	91123	MT 332 : REAL ANALYSIS-I
Thursday 26-10-2017	91133	MT 333 :PROBLEM COURSE ON MT 331 AND MT 332
Friday 27-10-2017	91143	MT 334 : GROUP THEORY
Saturday 28-10-2017	91153	MT 335 : ORDINARY DIFFERENTIAL EQUATIONS
Monday 30-10-2017	91163	MT 336 : PROBLEM COURSE ON MT 334 AND MT 335
Tuesday 31-10-2017	911A3	MT 337 : A. OPERATIONS RESEARCH

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
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Wednesday 01-11-2017	911B3	MT 337 : B. DYNAMICAL SYSTEM
Thursday 02-11-2017	911C3	MT 337 : C. PROGRAMMING I
Friday 03-11-2017	911D3	MT 337 : D. LATTICE THEORY
Monday 06-11-2017	911E3	MT 337 : E. FINANCIAL MATHEMATICS
Tuesday 07-11-2017	911F3	MT 337 : F. NUMBER THEORY

## Microbiology

### SEMESTER - IV

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91914	MB-341 : MEDICAL MICROBIOLOGY-II
Wednesday 04-10-2017	91924	MB-342 : GENETICS & MOLECULAR BIOLOGY-II
Thursday 05-10-2017	91934	MB-343 : METABOLISM
Friday 06-10-2017	91944	MB-344 : IMMUNOLOGY-II
Saturday 07-10-2017	91954	MB-345 : FERMENTATION TECHNOLOGY-II
Monday 09-10-2017	91964	MB-346 : AGRICULTURAL ENVIRONMENTAL MICROBIOLOGY

### SEMESTER - III

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91913	MB-331: MEDICAL MICROBIOLOGY - I
Wednesday 25-10-2017	91923	MB-332: GENETICS & MOLECULAR BIOLOGY - I
Thursday 26-10-2017	91933	MB-333: ENZYMOLOGY
Friday 27-10-2017	91943	MB-334: IMMUNOLOGY-I
Saturday 28-10-2017	91953	MB-335: FERMENTATION TECHNOLOGY - I
Monday 30-10-2017	91963	MB-336: FOOD & DAIRY MICROBIOLOGY

**PHYSICS**

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	91214	PH-341 : CLASSICAL ELECTRODYNAMICS
Wednesday 04-10-2017	91224	PH-342 : QUANTUM MECHANICS
Thursday 05-10-2017	91234	PH-343 : THERMODYNAMICS & STATISTICAL PHYSICS
Friday 06-10-2017	91244	PH-344 : NUCLEAR PHYSICS
Saturday 07-10-2017	61254	# PH-345 : PHYSICS THEORY PAPER V : ADVANCED ELECTRONICS (2008 PATTERN)
	91254	PH-345 : ELECTRONICS / ADVANCED ELECTRONICS
Monday 09-10-2017	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:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	91213	PH-331: MATHEMATICAL METHODS IN PHYSICS II
Wednesday 25-10-2017	91223	PH 332: SOLID STATE PHYSICS
Thursday 26-10-2017	61233	# PH-333 : PHYSICS THEORY PAPER III : CLASSICAL MECHANICS (2008 PATTERN)
	91233	PH-333: CLASSICAL MECHANICS

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Friday 27-10-2017	91243	PH-334: ATOMIC AND MOLECULAR PHYSICS
Saturday 28-10-2017	61253	# PH-335 : PHYSICS THEORY PAPER V : 'C' PROGRAMMING & COMPUTATIONAL PHYSICS (2008 PATTERN)
	91253	PH-335: COMPUTATIONAL PHYSICS
Monday 30-10-2017	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

## STATISTICS

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 03-10-2017	91714	ST-341:ACTUARIAL STATISTICS
Wednesday 04-10-2017	91724	ST-342:TESTING OF HYPOTHESES
Thursday 05-10-2017	61734	# ST-343 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (OFF LINE METHODS) (2008 PATTERN)
	91734	ST-343: STATISTICAL QUALITY CONTROL
Friday 06-10-2017	91744	ST-344: OPERATION RESEARCH
Saturday 07-10-2017	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
Monday 09-10-2017	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

SEMESTER - III

Time:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 24-10-2017	61713	# ST-331 : STATISTICS THEORY PAPER I : DISTRIBUTION THEORY-I (2008 PATTERN)
	91713	ST-331: DISTRIBUTION THEORY
Wednesday 25-10-2017	91723	ST-332: THEORY OF ESTIMATION
Thursday 26-10-2017	61733	# ST-333 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (ONLINE METHOD) (2008 PATTERN)



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Thursday 26-10-2017	91733	ST-333: SAMPLING METHODS
Friday 27-10-2017	91743	ST-334: DESIGN OF EXPERIMENTS
Saturday 28-10-2017	91753	ST-335: C PROGRAMMING (TURBO C)
Monday 30-10-2017	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:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 10-10-2017	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:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Tuesday 31-10-2017	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:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 11-10-2017	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:-02.30 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 01-11-2017	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:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 03-10-2017	91514	ZY- 341 BIOLOGICAL TECHNIQUES
Wednesday 04-10-2017	91524	ZY-342 MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY
Thursday 05-10-2017	91534	ZY-343- GENETICS AND MOLECULAR BIOLOGY
Friday 06-10-2017	91544	ZY 344-ORGANIC EVOLUTION
Saturday 07-10-2017	91554	ZY-345 GENERAL EMBRYOLOGY
Monday 09-10-2017	915A4	ZY-346 – A) PUBLIC HEALTH AND HYGIENE (OR)
	915B4	ZY-346 -B) MEDICAL ENTOMOLOGY

### SEMESTER - III

**Time:-02.30 PM To 04.30 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 24-10-2017	91513	ZY-331 ANIMAL SYSTEMATICS AND DIVERSITY V
Wednesday 25-10-2017	91523	ZY-332 MAMMALIAN HISTOLOGY
Thursday 26-10-2017	91533	ZY-333 BIOLOGICAL CHEMISTRY
Friday 27-10-2017	91543	ZY-334 ENVIRONMENTAL BIOLOGY AND TOXICOLOGY
Saturday 28-10-2017	91553	ZY-335 PARASITOLOGY
Monday 30-10-2017	915A3	ZY-336 -A) GENERAL PATHOLOGY (OR)
	915B3	ZY-336 -B) CELL BIOLOGY

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/129/S-2017**

NOTE: -

1. The practical examination T.Y.B.Sc.(Including Vocational) will be conducted before theory examination between 18/09/2017 to 29/09/2017.

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:835**

**Date:16/06/2017**

**Dr. Ashok Chavan**

**Director**

**Board of Examinations And Evaluation**