

# **SAVITRIBAI PHULE PUNE UNIVERSITY**

**(Formerly University of Pune)**



**EXAMINATION CIRCULAR NO.16 OF. 2018  
THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)(INCLUDING VOC)**

**Examination of March/April/May 2018**

**(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 - III

Time:-03.00 PM To 05.00 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91413	BO. 331 CRYPTOGAMIC BOTANY
Wednesday 28-03-2018	91423	BO. 332 CELL AND MOLECULAR BIOLOGY
Saturday 31-03-2018	91433	BO. 333 GENETICS AND EVOLUTION
Monday 02-04-2018	91443	BO. 334 SPERMATOPHYTA AND PALAEOBOTANY
Tuesday 03-04-2018	91453	BO. 335 HORTICULTURE AND FLORICULTURE
Wednesday 04-04-2018	91463	BO. 336 COMPUTATIONAL BOTANY

SEMESTER - IV

Time:-03.00 PM To 05.00 PM

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91414	BO.341 PLANT PHYSIOLOGY & BIOCHEMISTRY
Friday 13-04-2018	91424	BO.342 PLANT ECOLOGY AND BIODIVERSITY
Monday 16-04-2018	91434	BO.343 PLANT PATHOLOGY
Tuesday 17-04-2018	91444	BO.344 MEDICINAL AND ECONOMIC BOTANY
Thursday 19-04-2018	91454	BO.345 PLANT BIOTECHNOLOGY
Friday 20-04-2018	91464	BO. 346 PLANT BREEDING AND SEED TECHNOLOGY

## CHEMISTRY

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	91313	CH-331: PHYSICAL CHEMISTRY
Wednesday 28-03-2018	91323	CH-332: INORGANIC CHEMISTRY
Saturday 31-03-2018	91333	CH-333: ORGANIC CHEMISTRY
Monday 02-04-2018	91343	CH-334: ANALYTICAL CHEMISTRY
Tuesday 03-04-2018	91353	CH-335: INDUSTRIAL CHEMISTRY
Wednesday 04-04-2018	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:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 12-04-2018	91314	CH-341: PHYSICAL CHEMISTRY
Friday 13-04-2018	91324	CH-342: INORGANIC CHEMISTRY
Monday 16-04-2018	91334	CH-343: ORGANIC CHEMISTRY
Tuesday 17-04-2018	91344	CH-344: ANALYTICAL CHEMISTRY
Thursday 19-04-2018	91354	CH-345: INDUSTRIAL CHEMISTRY
Friday 20-04-2018	913A4	CH-346A: NUCLEAR CHEMISTRY
	913B4	CH-346B: POLYMER CHEMISTRY
	913C4	CH-346C: INTRODUCTION TO BIOCHEMISTRY AND MOLECULAR BIOLOGY (OR)

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

Friday 20-04-2018	913D4	CH-346D: ENVIRONMENTAL AND GREEN CHEMISTRY(OR)
	913E4	CH-346E: DAIRY CHEMISTRY

## DEFENCE STUDIES

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	92313	DS-301 DEFENCE STUDIES THEORY PAPER-I : INDIA'S FOREIGN AND DEFENCE POLICY
Wednesday 28-03-2018	92323	DS-302 DEFENSE STUDIES THEORY PAPER II : DEFENSE ECONOMICS
Saturday 31-03-2018	92333	DS-303 DEFENSE STUDIES THEORY PAPER-III : RESEARCH METHODOLOGY
Monday 02-04-2018	92343	DS-304 DEFENSE STUDIES THEORY PAPER IV : SCIENCE TECHNOLOGY AND NATIONAL SECURITY
Tuesday 03-04-2018	92353	DS-305 DEFENSE STUDIES THEORY PAPER-V : DEFENCE PLANNING AND MANAGEMENT IN INDIA
Wednesday 04-04-2018	923A3	DS-306-A DEFENCE STUDIES PAPER-VI : MILITARY AND MEDIA
	923B3	DS-306-B DEFENCE STUDIES PAPER-VI : ARMED CONFLICTS AND HUMAN RIGHTS
Thursday 05-04-2018	923C3	DS-307-A DEFENSE STUDIES PAPER-VII : DISASTER MANAGEMENT
	923D3	DS-307-B DEFENSE STUDIES PAPER-VII : GLOBAL SECURITY I
Friday 06-04-2018	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)
Saturday 07-04-2018	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:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 12-04-2018	92314	DS 401 INTERNAL SECURITY OF INDIA
Friday 13-04-2018	92324	DS 402 TRENDS IN INDIA'S DEFENCE EXPENDITURE

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

Monday 16-04-2018	92344	DS 404 INFORMATION WARFARE AND CYBER SECURITY
Tuesday 17-04-2018	92354	DS 405 DEFENCE PRODUCTION AND LOGISTICS IN INDIA
Thursday 19-04-2018	923A4	DS 406(A)DEFENCE JOURNALISM AND NATIONAL SECURITY
	923B4	DS 406(B)GENDER BASED CONFLICTS AND HUMAN RIGHTS
Friday 20-04-2018	923C4	DS 407(A) ROLE OF THE ARMED FORCES IN DISASTER MANAGEMENT
	923D4	DS407 (B) GLOBAL SECURITY II
Saturday 21-04-2018	923E4	DS 408(A) INDIAN MILITARY STRATEGY (1947-2014)
	923F4	DS 408(B) INDIAN MILITARY STRATEGY (1680-1818)
Monday 23-04-2018	923G4	DS 409(A) UNITED NATIONS ORGANISATION
	923H4	DS 409(B) INDIA'S MARITIME SECURITY

## ELECTRONICS

### SEMESTER - III

**Time:-03.00 PM To 05.00 PM**

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	92213	EL-331: ADVANCED DIGITAL SYSTEM DESIGN
Wednesday 28-03-2018	92223	EL-332: MICROCONTROLLERS
Saturday 31-03-2018	92233	EL-333: ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR IC'S
Monday 02-04-2018	92243	EL-334: PRINCIPLES OF SEMICONDUCTORS DEVICES
Tuesday 03-04-2018	92253	EL-335: 'C' PROGRAMMING
Wednesday 04-04-2018	922A3	EL-336-A:FIBER OPTIC COMMUNICATION
	922B3	EL-336-B:ELECTRONICS PRODUCT DESIGN & ENTREPRENEURSHIP

### SEMESTER - IV

**Time:-03.00 PM To 05.00 PM**

Day & Date	Paper Code	Subject
Thursday 12-04-2018	92214	EL-341 : ADVANCED COMMUNICATION SYSTEMS
Friday 13-04-2018	92224	EL-342 : MICROCONTROLLER AND ITS APPLICATIONS
Monday 16-04-2018	92234	EL-343 : POWER ELECTRONICS
Tuesday 17-04-2018	92244	EL-344 : FOUNDATIONS OF NANOELECTRONICS
Thursday 19-04-2018	92254	EL-345 : MATHEMATICAL METHODS & ANALYSIS USING MATALAB
Friday 20-04-2018	922A4	EL-346-OPTIONAL COURSE : A) INDUSTRIAL AUTOMATION
	922B4	EL-346-OPTIONAL COURSE : B) CONSUMER ELECTRONICS

## ENVIRONMENTAL

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	92413	ENV-301 : ENVIRONMENTAL SCIENCE THEORY PAPER I TERRESTRIAL ECOSYSTEMS & MANAGEMENT
Wednesday 28-03-2018	92423	ENV-302 : ENVIRONMENTAL SCIENCE THEORY PAPER II WILDLIFE BIOLOGY
Saturday 31-03-2018	92433	ENV-303 : ENVIRONMENTAL SCIENCE THEORY PAPER-III-WATER QUALITY
Monday 02-04-2018	92443	ENV-304 ENVIRONMENTAL SCIENCE PAPER-IV : ISSUES IN ENVIRONMENTAL SCIENCE
Tuesday 03-04-2018	92453	ENV-305 : ENVIRONMENTAL SCIENCE THEORY PAPER V ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS
Wednesday 04-04-2018	92463	ENV-306 : ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-I

SEMESTER - IV

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 12-04-2018	92414	ENV-341 : ENVIRONMENTAL SCIENCE THEORY PAPER I : AQUATIC ECOSYSTEMS & MANAGEMENT
Friday 13-04-2018	92424	ENV-342 :ENVIRONMENTAL SCIENCE THEORY PAPER II : NATURE CONSERVATION
Monday 16-04-2018	92434	ENV-343 :ENVIRONMENTAL SCIENCE THEORY PAPER III : AIR & SOIL QUALITY
Tuesday 17-04-2018	92444	ENV-344 :ENVIRONMENTAL SCIENCE THEORY PAPER IV : ISSUES IN ENVIRONMENTAL SCIENCE
Thursday 19-04-2018	92454	ENV-345 :ENVIRONMENTAL SCIENCE THEORY PAPER V : ENVIRONMENTAL GOVERNANCE & EQUITY : EMS ISO 14000
Friday 20-04-2018	92464	ENV-346 :ENVIRONMENTAL SCIENCE THEORY PAPER VI : ENVIRONMENTAL BIOTECHNOLOGY-II



## GEOGRAPHY

### SEMESTER - III

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91813	GG-331 FUNDAMENTALS OF HUMAN GEOGRAPHY (PART I)
Wednesday 28-03-2018	91823	GG-332: GEOGRAPHY OF TRAVEL AND TOURISM (PART I)
Saturday 31-03-2018	91833	GG-333 FUNDAMENTALS OF GEO-INFORMATICS(PART I)
Monday 02-04-2018	91843	GG-334 GEOGRAPHY OF INDIA(PART I)
Tuesday 03-04-2018	91853	GG-335: GEOGRAPHY OF SOILS(PART I)
Wednesday 04-04-2018	91863	GG-336: FUNDAMENTALS OF GEO-INFORMATICS(PART I)

### SEMESTER - IV

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91814	GG-341:FUNDAMENTALS OF HUMAN GEOGRAPHY (PART II)
Friday 13-04-2018	91824	GG-342: GEOGRAPHY OF TRAVEL AND TOURISM (PART II)
Monday 16-04-2018	91834	GG-343 FUNDAMENTALS OF GEO-INFORMATICS(PART II)
Tuesday 17-04-2018	91844	GG-344 GEOGRAPHY OF INDIA(PART II)
Thursday 19-04-2018	91854	GG-345: GEOGRAPHY OF SOILS(PART II)
Friday 20-04-2018	91864	GG-346: FUNDAMENTALS OF GEO-INFORMATICS(PART II)

## GEOLOGY

### SEMESTER - III

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91613	GL331: MINERALOGY
Wednesday 28-03-2018	91623	GL332: IGNEOUS PETROLOGY
Saturday 31-03-2018	91633	GL333: SEDIMENTARY PETROLOGY
Monday 02-04-2018	91643	GL334: STRUCTURAL GEOLOGY
Tuesday 03-04-2018	91653	GL335: PRECAMBRIAN STRATIGRAPHY OF INDIA
Wednesday 04-04-2018	91663	GL336: FLUID GEOLOGY I (GEOMORPHOLOGY REMOTE-SENS)

### SEMESTER - IV

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91614	GL-341: METAMORPHIC PETROLOGY
Friday 13-04-2018	91624	GL-342: ENVIRONMENTAL GEOLOGY
Monday 16-04-2018	91634	GL-343: ECONOMIC GEOLOGY
Tuesday 17-04-2018	91644	GL-344: GEOTECTONICS
Thursday 19-04-2018	91654	GL-345: PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEOLOGY
Friday 20-04-2018	91664	GL-346: APPLIED GEOLOGY-II(ENGINEERING GEOLOGY GEOHYDROLOGY & PROSPECTING)

**Mathematics**

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	91113	MT 331 : METRIC SPACES
Wednesday 28-03-2018	91123	MT 332 : REAL ANALYSIS-I
Saturday 31-03-2018	91133	MT 333 :PROBLEM COURSE ON MT 331 AND MT 332
Monday 02-04-2018	91143	MT 334 : GROUP THEORY
Tuesday 03-04-2018	91153	MT 335 : ORDINARY DIFFERENTIAL EQUATIONS
Wednesday 04-04-2018	91163	MT 336 : PROBLEM COURSE ON MT 334 AND MT 335
Thursday 05-04-2018	911A3	MT 337 : A. OPERATIONS RESEARCH
Friday 06-04-2018	911B3	MT 337 : B. DYNAMICAL SYSTEM
Saturday 07-04-2018	911C3	MT 337 : C. PROGRAMMING I
Monday 09-04-2018	911D3	MT 337 : D. LATTICE THEORY
Tuesday 10-04-2018	911E3	MT 337 : E. FINANCIAL MATHEMATICS
Wednesday 11-04-2018	911F3	MT 337 : F. NUMBER THEORY

SEMESTER - IV

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 12-04-2018	91114	MT 341 : COMPLEX ANALYSIS
Friday 13-04-2018	91124	MT 342 : REAL ANALYSIS-II
Monday 16-04-2018	91134	MT 343 : PROBLEM COURSE ON MT-341 & MT-342
Tuesday 17-04-2018	91144	MT 344 : RING THEORY
Thursday 19-04-2018	91154	MT 345 : PARTIAL DEFERENTIAL EQUATIONS
Friday 20-04-2018	91164	MT 346 : PROBLEM COURSE ON MT-344 & MT-345
Saturday 21-04-2018	911A4	MT-347 A : OPTIMIZATION TECHNIQUES

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

Monday 23-04-2018	911B4	MT-347 B : DIFFERENTIAL GEOMETRY
Tuesday 24-04-2018	911C4	MT-347 C :PROGRAMMING-II
Wednesday 25-04-2018	911D4	MT-347 D : GRAPH THEORY
Thursday 26-04-2018	911E4	MT-347 E : LEBSEGUE INTEGRATION
Friday 27-04-2018	911F4	MT-347 F : COMPUTATIONAL GEOMETRY

## MICROBIOLOGY

### SEMESTER - III

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91913	MB-331: MEDICAL MICROBIOLOGY - I
Wednesday 28-03-2018	91923	MB-332: GENETICS & MOLECULAR BIOLOGY - I
Saturday 31-03-2018	91933	MB-333: ENZYMOLOGY
Monday 02-04-2018	91943	MB-334: IMMUNOLOGY-I
Tuesday 03-04-2018	91953	MB-335: FERMENTATION TECHNOLOGY - I
Wednesday 04-04-2018	91963	MB-336: FOOD & DAIRY MICROBIOLOGY

### SEMESTER - IV

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91914	MB-341 : MEDICAL MICROBIOLOGY-II
Friday 13-04-2018	91924	MB-342 : GENETICS & MOLECULAR BIOLOGY-II
Monday 16-04-2018	91934	MB-343 : METABOLISM
Tuesday 17-04-2018	91944	MB-344 : IMMUNOLOGY-II
Thursday 19-04-2018	91954	MB-345 : FERMENTATION TECHNOLOGY-II
Friday 20-04-2018	91964	MB-346 : AGRICULTURAL ENVIRONMENTAL MICROBIOLOGY

**PHYSICS**

**SEMESTER - III**

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91213	PH-331: MATHEMATICAL METHODS IN PHYSICS II
Wednesday 28-03-2018	91223	PH 332: SOLID STATE PHYSICS
Saturday 31-03-2018	61233	# PH-333 : PHYSICS THEORY PAPER III : CLASSICAL MECHANICS (2008 PATTERN)
	91233	PH-333: CLASSICAL MECHANICS
Monday 02-04-2018	91243	PH-334: ATOMIC AND MOLECULAR PHYSICS
Tuesday 03-04-2018	61253	# PH-335 : PHYSICS THEORY PAPER V : 'C' PROGRAMMING & COMPUTATIONAL PHYSICS (2008 PATTERN)
	91253	PH-335: COMPUTATIONAL PHYSICS
Wednesday 04-04-2018	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

**SEMESTER - IV**

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91214	PH-341 : CLASSICAL ELECTRODYNAMICS
Friday 13-04-2018	91224	PH-342 : QUANTUM MECHANICS
Monday 16-04-2018	91234	PH-343 : THERMODYNAMICS & STATISTICAL PHYSICS
Tuesday 17-04-2018	91244	PH-344 : NUCLEAR PHYSICS

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

Thursday 19-04-2018	61254	# PH-345 : PHYSICS THEORY PAPER V : ADVANCED ELECTRONICS (2008 PATTERN)
	91254	PH-345 : ELECTRONICS / ADVANCED ELECTRONICS
Friday 20-04-2018	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

## STATISTICS

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Tuesday 27-03-2018	61713	# ST-331 : STATISTICS THEORY PAPER I : DISTRIBUTION THEORY-I (2008 PATTERN)
	91713	ST-331: DISTRIBUTION THEORY
Wednesday 28-03-2018	91723	ST-332: THEORY OF ESTIMATION
Saturday 31-03-2018	61733	# ST-333 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (ONLINE METHOD) (2008 PATTERN)
	91733	ST-333: SAMPLING METHODS
Monday 02-04-2018	91743	ST-334: DESIGN OF EXPERIMENTS
Tuesday 03-04-2018	91753	ST-335: C PROGRAMMING (TURBO C)
Wednesday 04-04-2018	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

SEMESTER - IV

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 12-04-2018	91714	ST-341:ACTUARIAL STATISTICS
Friday 13-04-2018	91724	ST-342:TESTING OF HYPOTHESES
Monday 16-04-2018	61734	# ST-343 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (OFF LINE METHODS) (2008 PATTERN)
	91734	ST-343: STATISTICAL QUALITY CONTROL
Tuesday 17-04-2018	91744	ST-344: OPERATION RESEARCH
Thursday 19-04-2018	61754	# ST-345 : STATISTICS THEORY PAPER V : OPERATION RESEARCH (2008 PATTERN)
	917A4	ST-345(A):RELIABILITY & SURVIVAL ANALYSIS (OR)



**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

Thursday 19-04-2018	917B4	ST-345(B):INTRODUCATION TO STOCHASTIC PROCESSES
Friday 20-04-2018	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

**VOCATIONAL P-V**

SEMESTER - III

Time:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Thursday 05-04-2018	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:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Saturday 21-04-2018	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:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Friday 06-04-2018	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:-03.00 PM To 05.00 PM

Day & Date	Paper Code	Subject
Monday 23-04-2018	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:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Tuesday 27-03-2018	91513	ZY-331 ANIMAL SYSTEMATICS AND DIVERSITY V
Wednesday 28-03-2018	91523	ZY-332 MAMMALIAN HISTOLOGY
Saturday 31-03-2018	91533	ZY-333 BIOLOGICAL CHEMISTRY
Monday 02-04-2018	91543	ZY-334 ENVIRONMENTAL BIOLOGY AND TOXICOLOGY
Tuesday 03-04-2018	91553	ZY-335 PARASITOLOGY
Wednesday 04-04-2018	915A3	ZY-336 -A) GENERAL PATHOLOGY (OR)
	915B3	ZY-336 -B) CELL BIOLOGY

### SEMESTER - IV

**Time:-03.00 PM To 05.00 PM**

<b>Day &amp; Date</b>	<b>Paper Code</b>	<b>Subject</b>
Thursday 12-04-2018	91514	ZY- 341 BIOLOGICAL TECHNIQUES
Friday 13-04-2018	91524	ZY-342 MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY
Monday 16-04-2018	91534	ZY-343- GENETICS AND MOLECULAR BIOLOGY
Tuesday 17-04-2018	91544	ZY 344-ORGANIC EVOLUTION
Thursday 19-04-2018	91554	ZY-345 GENERAL EMBRYOLOGY
Friday 20-04-2018	915A4	ZY-346 – A) PUBLIC HEALTH AND HYGIENE (OR)
	915B4	ZY-346 -B) MEDICAL ENTOMOLOGY

**THIRD YEAR B.SC.(REGULAR)(2013 PATTERN)  
(INCLUDING VOC)/16/F-2018**

NOTE: -

1. The practical examination T.Y.B.Sc. (Including Vocational) will be conducted before theory examination between 12/03/2018 to 24/03/2018.
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:243**

**Date:29/01/2018**

**Dr. Ashok Chavan**

**Director**

**Board of Examinations And Evaluation**