

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO.290 OF. 2019

SECOND YEAR B.SC.(REGULAR)(2013 PATTERN)(INCLUDING VOC)

REVISED AS ON : 01/10/2019

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.

**SECOND YEAR B.SC.(REGULAR)(2013 PATTERN)
(INCLUDING VOC)/290/S-2019**

SEMESTER - II

B.Sc.(REGULAR)(2013)

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Thursday 10-10-2019	83012	ENGLISH
	83112	MARATHI
	83212	HINDI
	83312	SANSKRIT
	83712	ARABIC : FUNCTIONAL
	83812	URDU GENERAL PAPER-II
Friday 11-10-2019	81312	CH-221 : CHEMISTRY PAPER I PHYSICAL AND ANALYTICAL CHEMISTRY
Saturday 12-10-2019	81322	CH-222 : CHEMISTRY THEORY PAPER-II ORGANIC AND INORGANIC CHEMISTRY
Monday 14-10-2019	81212	PH-221 : PHYSICS I OSCILLATIONS WAVE & SOUND
Tuesday 15-10-2019	81222	PH-222 : PHYSICS-II-OPTICS
Wednesday 16-10-2019	82212	ELECTRONICS I ELECTRONIC INSTRUMENTATION
Thursday 17-10-2019	81512	ZY-221 : ZOOLOGY PAPER I ANIMAL SYSTEMATIC AND DIVERSITY-IV
Friday 18-10-2019	82222	ELECTRONIC SCIENCE PAPER-II-COMMUNICATION ELECTRONICS
Saturday 19-10-2019	81522	ZY-222 : ZOOLOGY THEORY PAPER II APPLIED ZOOLOGY-II
Wednesday 23-10-2019	811B2	MT-222(B) MATHEMATICS PAPER-II-NUMERICAL METHODS AND IT'S APPLICATIONS
Thursday 24-10-2019	81412	BO-221 : BOTANY THEORY PAPER I PLANT ANATOMY AND EMBRYOLOGY
Friday 01-11-2019	81422	BO-222 : BOTANY THEORY PAPER II PLANT BIOTECHNOLOGY
Monday 04-11-2019	81612	GL-221 : GEOLOGY THEORY PAPER I PETROLOGY
	82012	EP-221 : PSYCHOLOGY THEORY PAPER-I-HEALTH PSYCHOLOGY

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Tuesday 05-11-2019	81622	GL-222 : GEOLOGY THEORY PAPER II STRATIGRAPHIC & PALEONTOLOGY
	82022	EP-222 : PSYCHOLOGY THEORY PAPER II PSYCHOLOGICAL TESTING AND ASSESSMENT
	82312	DSSY-201 : DEFENSE & STRATEGIC STUD.THEORY PAPER I CONFLICTS MANAGEMENT AND RESOLUTION
Wednesday 06-11-2019	81712	ST-221 : STATISTICS THEORY PAPER I STATISTICAL METHODS AND USE OF R-SOFTWARE
	81912	MB-221 : MICROBIOLOGY THEORY PAPER I BACTERIAL GENETICS
	82112	STT-221:STATISTICAL TECHNIQUES–PAPER-I-STATISTICAL TECHNIQUES–III
	82322	DSSY-202 : DEFENSE & STRATEGIC STUD.THEORY PAPER II GEOPOLITICS
Thursday 07-11-2019	81722	ST-222: STATISTICS THEORY PAPER II SAMPLING DISTRIBUTIONS AND INFERENCE
	81922	MB-222 : MICROBIOLOGY THEORY PAPER II AIR AND WATER MICROBIOLOGY
	82122	STT-222 : STATISTICAL TECHNIQUES PAPER-II STATISTICAL TECHNIQUES -IV
	82332	DSSY-203 : DEFENSE & STRATEGIC STUD.THEORY PAPER III CONTEMPORARY WORLD AND SECURITY
Friday 08-11-2019	81112	MT-221:MATHEMATICS PAPER-I-LINER ALGEBRA
	82412	ENV-201 : ENVIRONMENTAL SCIENCE PAPER-I-BIOLOGICAL DIVERSITY & ITS CONSERVATION
Monday 11-11-2019	811A2	MT-222(A) MATHEMATICS PAPER-II-MULTI-VARIABLE CALCULUS II
	82422	ENV-202 : ENVIRONMENTAL SCIENCE THEORY PAPER II POLLUTION CONTROL & ENVIRONMENTAL TECHNOLOGY
Wednesday 13-11-2019	81812	GG-211 : GEOGRAPHY THEORY PAPER I GEOGRAPHY OF RESOURCES-II
	82612	PAPER I (NS - 221) ORGANIC AND POLYMER SCIENCE OF NANOMATERIALS
Thursday 14-11-2019	81822	GG:-212 GEOGRAPHY THEORY PAPER II WATERSHED MANAGEMENT-II

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Thursday 14-11-2019	82622	PAPER II (NS - 222) ADVANCE TECHNIQUES FOR CHARACTERIZATION OF NANOMATERIALS
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SEMESTER - II

VOCATIONAL Paper-I

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Wednesday 13-11-2019	85612	VOCATIONAL P-I INDUSTRIAL CHEMISTRY PAPER I UNIT PROCESSES IN ORGANIC CHEMICAL INDUSTRIES
	85712	VOCATIONAL P-I BIO TECHNOLOGY PAPER I PLANT & ANIMAL TISSUE CULTURE
	88012	VOCATIONAL P-I PHOTOGRAPHY & AUDIO VISUAL PRODUCTION I COLOR PHOTOGRAPHY AND DIGITAL PHOTOGRAPHY
	88112	VOCATIONAL P-I ELECTRONICS EQUIPMENT MAINTENANCE I TROUBLESHOOTING ELECTRONIC EQUIPMENT-B
	88212	VOCATIONAL P-I INDUSTRIAL MICROBIOLOGY PAPER I FERMENTATION PROCESSES AND DOWNSTREAM PROCESSING
	88712	VOCATIONAL P-I COMPUTER HARDWARE & ADMIN.NETWORK PAPER I MICROPROCESSOR & INTERFACING TECHNIQUES-II
	88912	VOCATIONAL P-I SEED TECHNOLOGY PAPER I VEGETABLE SEED PRODUCT

SEMESTER - II

VOCATIONAL Paper-II

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Thursday 14-11-2019	85622	VOCATIONAL-II INDUSTRIAL CHEMISTRY PAPER II INDUSTRIAL POLLUTION
	85722	VOCATIONAL-II BIOTECHNOLOGY PAPER II-IMMUNOLOGY AND MEDICAL MICROBIOLOGY
	88022	VOCATIONAL-II PHOTOGRAPHY & AUDIO VISUAL PRODUCTION II PRINCIPLES AND APPLICATIONS OF ANALOG AND DIGITAL COMMUNICATION
	88122	VOCATIONAL-II ELECTRONICS EQUIPMENT MAINTENANCE I AUDIO VIDEO AND OFFICE EQUIPMENT-B
	88222	VOCATIONAL-II INDUSTRIAL MICROBIOLOGY PAPER II QUALITY ASSURANCE TESTS FOR FERMENTATION PRODUCTS
	88722	VOCATIONAL-II COMPUTER HARDWARE & ADMIN.NETWORK PAPER II COMPUTER SYSTEM ADMINISTRATION-II
	88922	VOCATIONAL-II SEED TECHNOLOGY PAPER II SEED QUALITY CONTROL

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SEMESTER - I

B.Sc.(REGULAR)(2013)

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Friday 15-11-2019	83011	ENGLISH
	83111	MARATHI
	83211	HINDI
	83311	SANSKRIT
	83711	ARABIC : FUNCTIONAL
	83811	URDU : GENERAL PAPER-II
Saturday 16-11-2019	81311	CH-211 : CHEMISTRY-PAPER-I-PHYSICAL & ANALYTICAL CHEMISTRY
Monday 18-11-2019	81321	CH-212 : CHEMISTRY-PAPER-II-ORGANIC & INORGANIC CHEMISTRY
Tuesday 19-11-2019	81211	PHY-211 : PHYSICS PAPER-I-MATHEMATICAL METHODS IN PHYSICS-I
Wednesday 20-11-2019	812A1	PHY-212 : PHYSICS PAPER-II-ELECTRONICS- I
	812B1	PHY-212 : PHYSICS THEORY PAPER-II-INSTRUMENTATION
Thursday 21-11-2019	81511	ZY- 211: ZOOLOGY-PAPER-I-ANIMAL SYSTEMATIC AND DIVERSITY-III
Friday 22-11-2019	82211	EL-211 : ELECTRONICS SCIENCE-PAPER-I-ANALOG CIRCUITS DESIGN
Saturday 23-11-2019	81521	ZY-212 : ZOOLOGY-PAPER-II-APPLIED ZOOLOGY I
Monday 25-11-2019	82221	EL-212 : ELECTRONICS SCIENCE-PAPER-II-DIGITAL CIRCUITS DESIGN
Tuesday 26-11-2019	81111	MT-211 : MATHEMATICS PAPER-I-MULTI VARIABLE CALCULUS-I
	82411	EVS-201 : ENVIRONMENTAL SCIENCE-PAPER-I- ECOLOGY AND ECOSYSTEM
Wednesday 27-11-2019	81121	MT-212 : MATHEMATICS- PAPER-II-(1)(811A1) DISCRETE MATHEMATICS (2)(811B1) LAPLACE TRANSFORM AND FOURIER SERIES

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Wednesday 27-11-2019	82421	EVS-202 : ENVIRONMENTAL SCIENCE THEORY PAPER II
Thursday 28-11-2019	81411	BO-211 : BOTANY-PAPER-I–TAXONOMY OF ANGIOSPERMS AND PLANT COMMUNITY
Friday 29-11-2019	81421	BO-212 : BOTANY-PAPER-II- PLANT PHYSIOLOGY
Saturday 30-11-2019	81611	GL-211 : GEOLOGY-PAPER-I– MINERALOGY
	82011	EP-211 : PSYCHOLOGY-PAPER-I-PSYCHOLOGY OF ADJUSTMENT
Monday 02-12-2019	81621	GL-212 : GEOLOGY-PAPER-II-STRUCTURAL GEOLOGY
	82021	EP-212 : PSYCHOLOGY-PAPER-II–EXPERIMENTAL PSYCHOLOGY AND RESEARCH METHODOLOGY
	82311	DSSY-101 : DEFENSE STUDIES-PAPER-I–STUDY OF CONFLICTS AND PEACE
Tuesday 03-12-2019	81711	ST-211 : STATISTICS-PAPER-I-DISCRETE PROBABILITY DISTRIBUTIONS TIME SERIES AND R-SOFTWARE
	81911	MB-211 : MICROBIOLOGY PAPER-I-BACTERIAL SYSTEMATIC & PHYSIOLOGY
	82111	STT:-211 : STATISTICAL TECHNIQUES-PAPER-I
	82321	DSSY-102 : DEFENSE STUDIES-PAPER-II-MILITARY GEOGRAPHY
Wednesday 04-12-2019	81721	ST-212 : STATISTICS-PAPER-II-CONTINUOUS PROBABILITY DISTRIBUTION
	81921	MB-212 : MICROBIOLOGY-PAPER-II-INDUSTRIAL AND SOIL MICROBIOLOGY
	82121	STATISTICAL TECHNIQUES-PAPER-II
	82331	DSSY-103 :DEFENSE STUDIES-PAPER-III–CONTEMPORARY STRATEGY
Thursday 05-12-2019	81811	GG-211 : GEOGRAPHY-PAPER-I GEOGRAPHY OF RESOURCES-I
	82611	NS 211 : PHYSICAL TECHNIQUES FOR SYNTHESIS OF NANOMATERIALS
Saturday 07-12-2019	81821	GEOGRAPHY PAPER II WATERSHED MANAGEMENT
	82621	NS 212 : PROPERTIES OF NANOMATERIALS (PHYSICAL, CHEMICAL, OPTICAL AND MAGNETIC)

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VOCATIONAL Paper-I

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Thursday 05-12-2019	85611	VOCATIONAL P-I-INDUSTRIAL CHEMISTRY PAPER-I-UTILITIESUNIT OPERATIONS AND PROCESS INSTRUMENTATION
	85711	VOCATIONAL P-I-BIOTECHNOLOGY PAPER-I-CELL & MOLECULAR BIOLOGY AND MICROBIAL GENETICS
	88011	VOCATIONAL P-I-PHOTOGRAPHY & AUDIO VISUAL PRODUCTION-I STILL PHOTOGRAPHY PROCESSING AND PRINTING
	88111	VOCATIONAL P-I-ELECTRONICS EQUIPMENT MAINTENANCE-I- TROUBLESHOOTING ELECTRONIC EQUIPMENT-A
	88211	INDUSTRIAL MICROBIOLOGY-I-BIO-REACTORS DESIGNS & OPERATION
	88711	VOCATIONAL P-I-COMPUTER HARDWARE & ADMIN NETWORK PAPER-I MICROPROCESSOR AND INTERFACING TECHNIQUES
	88911	SEED TECHNOLOGY I HYBRID SEED PRODUCTION

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SEMESTER - I

VOCATIONAL Paper-II

Time:-10.00 AM To 12.00 PM

Day & Date	Paper Code	Subject
Saturday 07-12-2019	85621	INDUSTRIAL CHEMISTRY PAPER- II INORGANIC PROCESS INDUSTRIES
	85721	VOCATIONAL-P-II-BIOTECHNOLOGY PAPER-II RECOMBINANT DNA TECHNOLOGY
	88021	VOCATIONAL-P-II-PHOTOGRAPHY & AUDIO VISUAL PRODUCTION-II-ACOUSTICS
	88121	VOCATIONAL-P-II-ELECTRONICS EQUIPMENT MAINTENANCE-II-AUDIOVIDEO AND OFFICE EQUIPMENT-A
	88221	IND.MICROBIOLOGY-II-SCREENING AND PROCESS OPTIMIZATION
	88721	VOCATIONAL-P-II-COMPUTER HARDWARE & ADMIN NETWORK PAPER-II COMPUTER SYSTEM MANAGEMENT
	88921	VOCATIONAL-P-II SEED TECHNOLOGY-II-SEED TESTING

NOTE: -

1. The practical examination of S.Y.B.Sc. will be conducted before theory examination between 19/09/2019 to 30/09/2019.

2. Backlog students of S.Y.B.Sc. (Including Vocational) 2008 pattern will have to appear for equivalence subject of 2013 pattern.

Ganeshkhind, Pune - 411 007

Ref.No/XCT:1220

Date:01/10/2019

Director

Board of Examinations And Evaluation