

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)



EXAMINATION CIRCULAR NO.212 OF. 2016

Revised As On:-02/09/2016

THIRD YEAR B.SC.(REGULAR)(2008 PATTERN)(INCLUDING VOC)

Examination of Oct/Nov/Dec 2016

(Under Faculty of Science)

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

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 61414 | BO-341 BOTANY THEORY I : PLANT PHYSIOLOGY & BIOCHEMISTRY |
| Wednesday 05-10-2016 | 61424 | BO-342 BOTANY THEORY PAPER II : PLANT PATHOLOGY |
| Thursday 06-10-2016 | 61434 | BO-343 BOTANY THEORY PAPER III : PHERIDOPHYTES, GYMNOSPERMS & PALAEOBOTANY |
| Friday 07-10-2016 | 61444 | BO-344 BOTANY THEORY PAPER IV : PLANT BIOTECHNOLOGY |
| Saturday 08-10-2016 | 61454 | BO-345 BOTANY THEORY PAPER V : BOTANICAL TECHNIQUES |
| Monday 10-10-2016 | 61464 | BO-346 BOTANY THEORY VI : PHARMACOGNOSY |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Thursday 20-10-2016 | 61413 | BO-331 BOTANY THEORY PAPER I : ALGAE, FUNGI & BRYOPHYTES |
| Friday 21-10-2016 | 61423 | BO-332 BOTANY THEORY PAPER II : MOLECULAR BIOLOGY |
| Saturday 22-10-2016 | 61433 | BO-333 BOTANY THEORY PAPER III : ANGIOSPERMS & EVOLUTION |
| Monday 24-10-2016 | 61443 | BO-334 BOTANY THEORY PAPER IV : GENETICS & PLANT BREDDING |
| Tuesday 25-10-2016 | 61453 | BO-335 BOTANY THEORY PAPER V : BIOMETRY & COMPUTER APPLICATIONS |
| Wednesday 26-10-2016 | 61463 | BO-336 BOTANY THEORY PAPER VI : CELL BIOLOGY & SEED TECHNOLOGY |

CHEMISTRY

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 61314 | CH-341 CHEMISTRY THEORY PAPER I : PHYSICAL CHEMISTRY |
| Wednesday 05-10-2016 | 61324 | CH-342 CHEMISTRY THEORY PAPER II : INORGANIC CHEMISTRY |
| Thursday 06-10-2016 | 61334 | CH-343 CHEMISTRY THEORY PAPER III : ORGANIC CHEMISTRY |
| Friday 07-10-2016 | 61344 | CH-344 CHEMISTRY THEORY PAPER IV : ANALYTICAL CHEMISTRY |
| Saturday 08-10-2016 | 61354 | CH-345 CHEMISTRY THEORY PAPER V : INDUSTRIAL CHEMISTRY |
| Monday 10-10-2016 | 613A4 | CHEMISTRY PAPER-VI -CH-346-A : NUCLEAR CHEMISTRY |
| | 613B4 | CHEMISTRY PAPER-VI -CH-346-B : POLYMER CHEMISTRY |
| | 613C4 | CHEMISTRY PAPER-VI -CH-346-C : BIO CHEMISTRY |
| | 613D4 | CHEMISTRY PAPER-VI -CH-346-D : ENVIRONMENTAL CHEMISTRY |
| | 613E4 | CHEMISTRY PAPER-VI -CH-346-E : DAIRY CHEMISTRY |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 61313 | CH-331 CHEMISTRY THEORY PAPER I : PHYSICAL CHEMISTRY |
| Friday 21-10-2016 | 61323 | CH-332 CHEMISTRY THEORY PAPER II : INROGANIC CHEMISTRY |
| Saturday 22-10-2016 | 61333 | CH-333 CHEMISTRY THEORY PAPER III : ORGANIC CHEMISTRY |
| Monday 24-10-2016 | 61343 | CH-334 CHEMISTRY THEORY PAPER IV ANALYTICAL CHEMISTRY |
| Tuesday 25-10-2016 | 61353 | CH-335 CHEMISTRY THEORY PAPER V : INDUSTRIAL CHEMISTRY |
| Wednesday 26-10-2016 | 613A3 | CHEMISTRY PAPER-VI-CH-336-A : NUCLEAR CHEMISTRY |
| | 613B3 | CHEMISTRY PAPER-VI-CH-336-B : POLYMER CHEMISTRY |
| | 613C3 | CHEMISTRY PAPER-VI-CH-336-C : BIO-CHEMISTRY |
| | 613D3 | CHEMISTRY PAPER-VI-CH-336-D : ENVIRONMENTAL CHEMISTRY |
| | 613E3 | CHEMISTRY PAPER-VI-CH-336-E : AGRICULTURAL CHEMISTRY |

DEFENCE STUDIES

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|------------|---|
| Tuesday 04-10-2016 | 62314 | DS-341 DEFENCE STUDIES THEORY PAPER I : MANAGEMENT OF MILITARY TECHNOLOGY IN INDIA |
| Wednesday 05-10-2016 | 62324 | DS-342 DEFENCE STUDIES THEORY PAPER-II : ECONOMIC ASPECTS OF WAR |
| Thursday 06-10-2016 | 62334 | DS-343 : DEFENSE STUDIES PAPER-III-DISASTER MANAGEMENT |
| Friday 07-10-2016 | 62354 | DS-344 DEFENCE STUDIES THEORY PAPER-V : INFORMATION TECHNOLOGY & NATIONAL SECURITY |
| Saturday 08-10-2016 | 623A4 | DEFENCE STUDIES-VI -DS 346 -A : INDIAN MILITARY SYSTEM-II |
| | 623B4 | DEFENCE STUDIES-VI -DS 346 -B : MARATHA MILITARY SYSTEM-II |
| | 623C4 | DEFENCE STUDIES-VI -DS 346 -C : INDIAN WAR SINCE INDEPENDENCE-II |
| Monday 10-10-2016 | 623D4 | DEFENCE STUDIES-VII -DS 347 -A : MILITARY PSYCHOLOGY |
| | 623E4 | DEFENCE STUDIES-VII -DS 347 -B : DEFENCE JOURNALISM & NATIONAL SECURITY |
| | 623F4 | DEFENCE STUDIES-VII -DS 347 -C : DEFENCE PREPAREDNESS OF INDIA-II |
| Thursday 13-10-2016 | 623G4 | DEFENCE STUDIES-VIII -DS 348 -A : REFUGEES STUDIES |
| | 623H4 | DEFENCE STUDIES-VIII -DS 348 -B : STUDY OF UNITED NATIONS |
| | 623J4 | DEFENCE STUDIES-VIII -DS 348 -C : LAW OF WAR AND PEACE |
| Friday 14-10-2016 | 623K4 | DEFENCE STUDIES PAPER-IX -DS 349: A)MANAGEMENT OF DEFENCE PRODUCTION & LOGISTICS IN INDIA |
| | 623L4 | DEFENCE STUDIES PAPER-IX -DS 349: B)INTERNAL SECURITY OF INDIA-II |
| | 623M4 | DEFENCE STUDIES PAPER-IX -DS 349: C)INDIA MARITIME SECURITY-II |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Thursday 20-10-2016 | 62313 | DS-331 DEFENCE STUDIES THEORY PAPER-I : SCIENCE TECHNOLOGY & NATIONAL SECURITY |
| Friday 21-10-2016 | 62323 | DS-332 DEFENSE STUDIES THEORY PAPER II : DEFENSE ECONOMICS |
| Saturday 22-10-2016 | 62333 | DS-333 DEFENSE STUDIES THEORY PAPER-III : STUDY OF DISASTER |
| Monday 24-10-2016 | 62343 | DS-334 DEFENSE STUDIES THEORY PAPER IV : RESEARCH METHODOLOGY |
| Tuesday 25-10-2016 | 62353 | DS-335 DEFENSE STUDIES THEORY PAPER-V : COMPUTER APPLICATIONS IN DEFENSE MANAGEMENT |
| Wednesday 26-10-2016 | 623A3 | DEFENCE STUDIES PAPER-VI-DS-336-A : INDIAN MILITARY SYSTEM |
| | 623B3 | DEFENCE STUDIES PAPER-VI-DS-336-B : MARATHA MILITARY SYSTEM-I |
| | 623C3 | DEFENSE STUDIES PAPER-VI-DS-336-C : INDIAN WAR SINCE INDEPENDENCE-I |
| Thursday 27-10-2016 | 623D3 | DEFENSE STUDIES PAPER-VII-DS-337-A : MILITARY SOCIOLOGY |
| | 623E3 | DEFENSE STUDIES PAPER-VII-DS-337-B: DEFENSE JOURNALISM |
| | 623F3 | DEFENCE STUDIES PAPER-VII-DS-337-C : DEFENCE PREPAREDNESS OF INDIA-I |
| Friday 04-11-2016 | 623G3 | DEFENSE STUDIES PAPER-VIII-DS-338 -A : ARMED CONFLICT & HUMAN RIGHTS |
| | 623H3 | DEFENSE STUDIES PAPER-VIII-DS-338 -B : INTERNATIONAL ORGANIZATION & NATIONAL SECURITY |
| | 623J3 | DEFENSE STUDIES PAPER-VIII -DS-338 -C : INTERNATIONAL LAW |
| Saturday 05-11-2016 | 623K3 | DEFENCE STUDIES PAPAER-IX-DS-339 -A : DEFENCE MANAGEMENT IN INDIA |
| | 623L3 | DEFENCE STUDIES PAPAER-IX-DS-339 -B : INTERNAL SECURITY OF INDIA-I |
| | 623M3 | DEFENSE STUDIES PAPER-IX -DS-339 -C : INDIA MARITIME SECURITY-I |

ELECTRONICS

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Tuesday 04-10-2016 | 62214 | ELECTRONICS THEORY PAPER I ADVANCED COMMUNICATION SYSTEMS |
| Wednesday 05-10-2016 | 62224 | ELECTRONICS THEORY PAPER II EMBEDDED SYSTEMS |
| Thursday 06-10-2016 | 62234 | ELECTRONICS THEORY PAPER III POWER ELECTRONICS |
| Friday 07-10-2016 | 62244 | ELECTRONICS THEORY PAPER IV ELECTRONIC MATERIALS & DEVICES |
| Saturday 08-10-2016 | 62254 | ELECTRONICS THEORY PAPER V MATHEMATICAL METHODS & ANALYSIS USING MATALAB |
| Monday 10-10-2016 | 622G4 | EL-346-OPTIONAL COURSE : A) Instrumentation |
| | 622H4 | EL-346-OPTIONAL COURSE B) Consumer Electronics |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 62213 | ELECTRONICS THEORY PAPER I ADVANCED DIGITAL SYSTEMS DESIGN |
| Friday 21-10-2016 | 62223 | ELECTRONICS THEORY PAPER II MICRO-CONTROLLERS |
| Saturday 22-10-2016 | 62233 | ELECTRONICS THEORY PAPER III ANALOG CIRCUITS DESIGNS & APPLICATION OF LINEAR 'IC'S |
| Monday 24-10-2016 | 62243 | ELECTRONICS THEORY PAPER IV FOUNDATIONS OF NANOELECTRONICS |
| Tuesday 25-10-2016 | 62253 | ELECTRONICS THEORY PAPER V 'C' PROGRAMMING |
| Wednesday 26-10-2016 | 622F3 | ELECTRONICS PAPER-VI -EL -336-A : FIBER OPTICS & FIBER OPTICS COMMUNICATION |
| | 622G3 | ELECTRONICS PAPER-VI -EL-336-B : SENSOR & ACTUATORS |

ENVIRONMENTAL SCIENCE

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 62414 | ENV-341:ENVIRONMENTAL SCIENCE THEORY PAPER I AQUATIC ECOSYSTEMS & MANAGEMENT |
| Wednesday 05-10-2016 | 62424 | ENV-342:ENVIRONMENTAL SCIENCE THEORY PAPER II NATURE CONSERVATION |
| Thursday 06-10-2016 | 62434 | ENV-343:ENVIRONMENTAL SCIENCE THEORY PAPER III AIR & SOIL QUALITY |
| Friday 07-10-2016 | 62444 | ENV-344:ENVIRONMENTAL SCIENCE THEORY PAPER IV ISSUES IN ENVIRONMENTAL SCIENCE |
| Saturday 08-10-2016 | 62454 | ENV-345:ENVIRONMENTAL SCIENCE THEORY PAPER V : ENVIRONMENTAL GOVERNANCE & EQUITY : EMS, ISO 14000 |
| Monday 10-10-2016 | 62464 | ENV-346:ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-II |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 62413 | ENV-301:ENVIRONMENTAL SCIENCE THEORY PAPER I TERRESTRIAL ECOSYSTEMS & MANAGEMENT |
| Friday 21-10-2016 | 62423 | ENV-302:ENVIRONMENTAL SCIENCE THEORY PAPER II WILDLIFE BIOLOGY |
| Saturday 22-10-2016 | 62433 | ENV-303 : ENVIRONMENTAL SCIENCE THEORY PAPER-III-WATER QUALITY |
| Monday 24-10-2016 | 62443 | ENV-304 ENVIRONMENTAL SCIENCE PAPER-IV : ISSUES IN ENVIRONMENTAL SCIENCE |
| Tuesday 25-10-2016 | 62453 | ENV-305 : ENVIRONMENTAL SCIENCE THEORY PAPER V ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS |
| Wednesday 26-10-2016 | 62463 | ENV-306:ENVIRONMENTAL SCIENCE THEORY PAPER VI ENVIRONMENTAL BIOTECHNOLOGY-I |

GEOGRAPHY

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 61814 | GG-314 : GEOGRAPHY THEORY PAPER I : PRINCIPLES & TECHNIQUES OF WATERSHED MANAGEMENT |
| Wednesday 05-10-2016 | 61824 | GG-342 : GEOGRAPHY THEORY PAPER II : GEOGRAPHY OF TRAVEL & TOURISM |
| Thursday 06-10-2016 | 61834 | GG-343 : GEOGRAPHY THEORY PAPER III : FUNDAMENTALS OF GEOINFORMATICS PAPER-II |
| Friday 07-10-2016 | 61844 | GG-344 : GEOGRAPHY THEORY PAPER IV : INDIA : A GEOGRAPHICAL STUDY |
| Saturday 08-10-2016 | 61854 | GG-345 : GEOGRAPHY THEORY PAPER V : GEOGRAPHY OF SOILS PAPER-II |
| Monday 10-10-2016 | 61864 | GG-346 : GEOGRAPHY THEORY PAPER VI : FUNDAMENTAL OF GEOINFORMATICS PAPER-II |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 61813 | GG-331 : GEOGRAPHY THEORY PAPER I : PRINCIPLES & TECHNIQUES |
| Friday 21-10-2016 | 61823 | GG-332 : GEOGRAPHY THEORY PAPER II : GEOGRAPHY OF TRAVEL & TOURISM |
| Saturday 22-10-2016 | 61833 | GG-333 : GEOGRAPHY THEORY PAPER III : FUNDAMENTALS OF GEOINFORMATICS PAPER-I |
| Monday 24-10-2016 | 61843 | GG-334 : GEOGRAPHY THEORY PAPER IV : INDIA: A GEOGRAPHICAL ANALYSIS |
| Tuesday 25-10-2016 | 61853 | GG-335 : GEOGRAPHY THEORY PAPER V : GEOGRAPHY OF SOILS PAPER-I |
| Wednesday 26-10-2016 | 61863 | GG-336 : GEOGRAPHY THEORY PAPER VI : FUNDAMENTALS OF GEOINFORMATICS PART-II |

GEOLOGY

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Tuesday 04-10-2016 | 61614 | GL-341 : GEOLOGY THEORY PAPER I : METAMORPHIC PETROLOGY |
| Wednesday 05-10-2016 | 61624 | GL-342 : GEOLOGY THEORY PAPER II : ENVIRONMENTAL GEOLOGY |
| Thursday 06-10-2016 | 61634 | GL-343 : GEOLOGY THEORY PAPER III : ECONOMIC GEOLOGY |
| Friday 07-10-2016 | 61644 | GL-344 : GEOLOGY THEORY PAPER IV : GEOTECTONICS |
| Saturday 08-10-2016 | 61654 | GL-345 : GEOLOGY THEORY PAPER V : PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEONTOLOGY |
| Monday 10-10-2016 | 61664 | GL-346 : GEOLOGY THEORY PAPER VI : APPLIED GEOLOGY-II |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Thursday 20-10-2016 | 61613 | GL-331 : GEOLOGY THEORY PAPER I : MINERALOGY |
| Friday 21-10-2016 | 61623 | GL-332 : GEOLOGY THEORY PAPER II : IGNEOUS PETROLOGY |
| Saturday 22-10-2016 | 61633 | GL-333 : GEOLOGY THEORY PAPER III : SEDIMENTARY PETROLOGY |
| Monday 24-10-2016 | 61643 | GL-334 : GEOLOGY THEORY PAPER IV : STRUCTURAL GEOLOGY |
| Tuesday 25-10-2016 | 61653 | GL-335 : GEOLOGY THEORY PAPER V : PRECRAMBRIAN STRATIGRAPHY OF INDIA |
| Wednesday 26-10-2016 | 61663 | GL-336 : GEOLOGY THEORY PAPER VI : APPLIED GEOLOGY-I |

MATHEMATICS

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|------------|---|
| Tuesday 04-10-2016 | 61114 | MT-341 : MATHEMATICS PAPER I : METRIC SPACES |
| Wednesday 05-10-2016 | 61124 | MT-342 : MATHEMATICS PAPER II : COMPLEX ANALYSIS |
| Thursday 06-10-2016 | 61134 | MT-343 : MATHEMATICS PAPER III : PROBLEM COURSE ON MT-341 & MT-342 |
| Friday 07-10-2016 | 61144 | MT-344 : MATHEMATICS PAPER IV : RING THEORY |
| Saturday 08-10-2016 | 61154 | MT-345 : MATHEMATICS PAPER V : PARTIAL DEFERENTIAL EQUATIONS |
| Monday 10-10-2016 | 61164 | MT-346 : MATHEMATICS PAPER VI : PROBLEM COURSE ON MT-344 & MT-345 |
| Thursday 13-10-2016 | 611E4 | MATHEMATICS PAPER-VII -MT-347 A : OPTIMIZATION TECHNIQUES |
| Friday 14-10-2016 | 611F4 | MATHEMATICS PAPER-VII -MT-347 B : IMPROPER INTEGRALS & LAPLACE TRANSFORMS |
| Saturday 15-10-2016 | 611G4 | MATHEMATICS PAPER-VII -MT-347 C : 'C' PROGRAMMING |
| Monday 17-10-2016 | 611H4 | MATHEMATICS PAPER-VII -MT-347 D : DYNAMICS |
| Tuesday 18-10-2016 | 611N4 | MATHEMATICS PAPER-VII -MT-347 E : LEBSEQUE INTEGRATION |
| Wednesday 19-10-2016 | 611D4 | MATHEMATICS PAPER-VII-MT-347 F : COMPUTATIONAL GEOMETRY |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|------------|--|
| Thursday 20-10-2016 | 61113 | MT-331 MATHEMATICS PAPER I : SET THEORY AND LOGIC |
| Friday 21-10-2016 | 61123 | MATHEMATICS PAPER II : MT-332 : REAL ANALYSIS |
| Saturday 22-10-2016 | 61133 | MATHEMATICS PAPER III : MT-333 PROBLEM COURSE ON MT-331 & MT-332 |
| Monday 24-10-2016 | 61143 | MATHEMATICS PAPER IV MT-334: GROUP THEORY |
| Tuesday 25-10-2016 | 61153 | MATHEMATICS PAPER V : MT-335 ORDINARY DIFFERENTIAL EQUATIONS |
| Wednesday 26-10-2016 | 61163 | MATHEMATICS PAPER VI MT-336:PROBLEM COURSE ON MT-334 & MT-335 |
| Thursday 27-10-2016 | 611A3 | MATHEMATICS PAPER-VII -MT 337 A : OPERATION RESEARCH |
| Friday 04-11-2016 | 611E3 | MATHEMATICS PAPER-VII -MT 337 B : LATTICE THEORY |
| Saturday 05-11-2016 | 611F3 | MATHEMATICS PAPER-VII-MT 337 C : 'C' PROGRAMMING |
| Monday 07-11-2016 | 611P3 | MATHEMATICS PAPER-VII -MT 337 D : DIFFERENTIAL GEOMETRY |
| Tuesday 08-11-2016 | 611D3 | MATHEMATICS PAPER-VII -MT 337 E : COMBINATORICS |
| Wednesday 09-11-2016 | 611N3 | MATHEMATICS PAPER-VII -MT 337 F : NUMBER THEORY |

MICROBIOLOGY

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 61914 | MB-341 : MICRO BIOLOGY THEORY PAPER I : MEDICAL MICROBIOLOGY-II |
| Wednesday 05-10-2016 | 61924 | MB-342 : MICRO BIOLOGY THEORY PAPER II : GENETICS & MOLECULAR BIOLOGY-II |
| Thursday 06-10-2016 | 61934 | MB-343 : MICRO BIOLOGY THEORY PAPER III : METABOLISM |
| Friday 07-10-2016 | 61944 | MB-344 : MICRO BIOLOGY THEORY PAPER IV : IMMUNOLOGY-II |
| Saturday 08-10-2016 | 61954 | MB-345 : MICRO BIOLOGY THEORY PAPER V : FERMENTATION TECHNOLOGY-II |
| Monday 10-10-2016 | 61964 | MB-346 : MICRO BIOLOGY THEORY PAPER VI : SOIL & AGRICULTURAL MICROBIOLOGY |

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Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 61913 | MB-331 : MICRO BIOLOGY THEORY PAPER I : MEDICAL MICROBIOLOGY- I |
| Friday 21-10-2016 | 61923 | MB-332 : MICRO BIOLOGY THEORY PAPER II : GENETICS & MOLECULAR BIOLOGY-I |
| Saturday 22-10-2016 | 61933 | MB-333 : MICRO BIOLOGY THEORY PAPER III : ENZYMOLOGY |
| Monday 24-10-2016 | 61943 | MB-334 : MICRO BIOLOGY THEORY PAPER IV : IMMUNOLOGY-I |
| Tuesday 25-10-2016 | 61953 | MB-335 : MICRO BIOLOGY THEORY PAPER V : FERMENTATION TECHNOLOGY-I |
| Wednesday 26-10-2016 | 61963 | MB-336 : MICRO BIOLOGY THEORY PAPER VI : FOOD & DAIRY MICROBIOLOGY FOOD & DAIRY MICROBIOLOGY |

PHYSICS

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Tuesday 04-10-2016 | 61214 | PH-341 : PHYSICS THEORY PAPER I : SOLID STATE PHYSICS |
| Wednesday 05-10-2016 | 61224 | PH-342 : PHYSICS THEORY PAPER II : QUANTUM MECHANICS |
| Thursday 06-10-2016 | 61234 | PH-343 : PHYSICS THEORY PAPER III : THERMODYNAMICS & STATISTICAL PHYSICS |
| Friday 07-10-2016 | 61244 | PH-344 : PHYSICS THEORY PAPER IV : NUCLEAR PHYSICS |
| Saturday 08-10-2016 | 61254 | PH-345 : PHYSICS THEORY PAPER V : (1) ELECTRONICS (2) ADVANCED ELECTRONICS |
| Monday 10-10-2016 | 612D4 | PHYSICS PAPER-VI -PH-346 -I : ELECTRO-ACOUSTIC & ENTERI ELETRONIC |
| | 612G4 | PHYSICS PAPER-VI -PH-346 -F RENEWABLE ENERGY SOURCES |
| | 612J4 | PHYSICS PAPER-VI -PH-346 -G : PHYSICS OF NANOMATERIALS |
| | 612L4 | PHYSICS PAPER-VI -PH-346 -J : LASERS |
| | 612P4 | PHYSICS PAPER-VI -PH-346 -H : MICROCONTROLLERS |

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SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Thursday 20-10-2016 | 61213 | PH-331 : PHYSICS THEORY PAPER I : MATHEMATICAL METHODS IN PHYSICS |
| Friday 21-10-2016 | 61223 | PH-332 : PHYSICS THEORY PAPER II : CLASSICAL ELECTRODYNAMICS |
| Saturday 22-10-2016 | 61233 | PH-333 : PHYSICS THEORY PAPER III : CLASSICAL MECHANICS |
| Monday 24-10-2016 | 61243 | PH-334 : PHYSICS THEORY PAPER IV : ATOMIC MOLECULAR PHYSICS |
| Tuesday 25-10-2016 | 61253 | PH-335 : PHYSICS THEORY PAPER V : 'C' PROGRAMMING & COMPUTATIONAL PHYSICS |
| Wednesday 26-10-2016 | 612A3 | PH-336-A PHYSICS PAPER-VI : ASTRONOMY AND ASTROPHYSICS |
| | 612B3 | PH-336-D PHYSICS PAPER-VI : BIOPHYSICS |
| | 612F3 | PH-336-C PHYSICS PAPER-VI : MOTION PICTURE PHYSICS |
| | 612J3 | PH-336-E PHYSICS PAPER-VI : MEDICAL ELECTRONICS |
| | 612L3 | PH-336-B PHYSICS PAPER-VI : ELEMENTS OF MATERIAL SCIENCE |

STATISTICS

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|---|
| Tuesday 04-10-2016 | 61714 | ST-341 : STATISTICS THEORY PAPER I : DISTRIBUTION THEORY-II |
| Wednesday 05-10-2016 | 61724 | ST-342 : STATISTICS THEORY PAPER II : TESTING OF HYPOTHESES |
| Thursday 06-10-2016 | 61734 | ST-343 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (OFF LINE METHODS) |
| Friday 07-10-2016 | 61744 | ST-344 : STATISTICS THEORY PAPER IV : SAMPLING METHODS |
| Saturday 08-10-2016 | 61754 | ST-345 : STATISTICS THEORY PAPER V : OPERATION RESEARCH |
| Monday 10-10-2016 | 617B4 | STATISTICS PAPER-VI-ST-346-B : STATISTICAL ECOLOGY |
| | 617D4 | STATISTICS PAPER-VI -ST-346-A : MEDICAL STATISTICS |
| | 617E4 | STATISTICS PAPER-VI-ST-346-C : STATISTICAL COMPUTING USING R SOFTWARE |

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Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Thursday 20-10-2016 | 61713 | ST-331 : STATISTICS THEORY PAPER I : DISTRIBUTION THEORY-I |
| Friday 21-10-2016 | 61723 | ST-332 : STATISTICS THEORY PAPER II : THEORY OF ESTIMATION |
| Saturday 22-10-2016 | 61733 | ST-333 : STATISTICS THEORY PAPER III : STATISTICAL PROCESS CONTROL (ONLINE METHOD) |
| Monday 24-10-2016 | 61743 | ST-334 : STATISTICS THEORY PAPER IV : DESIGN OF EXPERIMENTS |
| Tuesday 25-10-2016 | 61753 | ST-335 : STATISTICS THEORY PAPER V : 'C' PROGRAMMING (TURBO-C) |
| Wednesday 26-10-2016 | 617A3 | STATISTICS PAPER-VI -ST 336(A) : OPERATIONS MANAGEMENT |
| | 617B3 | STATISTICS PAPER-VI -ST 336(B) : ACTUARIAL STATISTICS |
| | 617D3 | STATISTICS PAPER-VI -ST 336(C) : TIME SERIES ANALYSIS |

VOCATIONAL

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|------------------------|------------|--|
| Thursday 13-10-2016 | 65654 | INDUSTRIAL CHEMISTRY PAPER - V : ENTREPRENEURSHIP DEVELOPMENT |
| | 65754 | BIOTECHNOLOGY PAPER - V BIOTECHNOLOGY - ENTREPRENEURSHIP DEVELOP. |
| | 68054 | PHOTOGRAPHY AUDIO VISUAL PROD. PAPER V STI.PHOTO.&ADU.PRODU.-ENTREP.DEPELOPMENT |
| | 68154 | ELECTRONIC EQUIP.& MAINT.THEORY PAPER V ELEC.EQUI.& MAIN.-ENTREPREN. DEVELOPMENT |
| | 68254 | INDUSTRIAL MICROBIOLOGY PAPER V : MOLECULAR BIOLOGY & RECOMBINANT DNA TECHNOLOGY |
| | 68754 | COMPUTER HARDWARE ADMN.NETWORK PAPER V COMPUTER MAINTENANCE-COMPUTER HARDWARE ADMINISTRATION NETWORK |
| | 68954 | SEED TECHNOLOGY PAPER V SEED TECH.-ENTREPRENEURSHIP DEVELOPMENT |
| Friday 14-10-2016 | 65664 | INDUSTRIAL CHEMISTRY PAPER - VI INORGANIC & ORGANIC BASED INDUSTRIES II |
| | 65764 | BIOTECHNOLOGY PAPER - VI : MICROBIAL BIOTECHNOLOGY |
| | 68064 | PHOTOGRAPHY AUDIO VISUAL PROD. PAPER VI STIL.PHOT.&AUDI.PRODUC.-RADIO PRODUCTION |
| | 68164 | ELECTRONIC EQUIP.& MAINT.THEORY PAPER VI : MEDICAL INSTRUMENTATION |
| | 68264 | INDUSTRIAL MICROBIOLOGY PAPER VI : ENTREPRENEURSHIP DEVELOPMENT |
| | 68764 | COMPUTER HARDWARE ADMN.NETWORK PAPER VI COMP.MAINT.- COMP HARDWARE & NETWORK ADMI |
| | 68964 | SEED TECHNOLOGY PAPER VI : BIOTECHNOLOGY & INTELLECTUAL PROPERTY RIGHTS |
| Saturday 15-10-2016 | 69214 | ENTREPRENEURSHIP DEVELOPMENT GRADE -STILL PHOTOGRAPHY & AUDIO PRODUCT-ENTREPRENEURSHIP DEVELOPMENT |

**THIRD YEAR B.SC.(REGULAR)(2008 PATTERN)
(INCLUDING VOC)/212/S-2016**

SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|------------------------|------------|---|
| Thursday 27-10-2016 | 65653 | INDUSTRIAL CHEMISTRY PAPER - V : INDUS.MET.OF CHEMIC.ANALYS |
| | 65753 | BIOTECHNOLOGY PAPER - V : PLANT BIOTECHNOLOGY |
| | 68053 | PHOTOGRAPHY AUDIO VISUAL PROD. PAPER V : STILL PHOTOGRAPHY & AUDIO VISUAL PRODUCT-VIDEO RECORDING & PLAYBACK SYSTEMS |
| | 68153 | ELECTRONIC EQUIP.& MAINT.THEORY PAPER V : ELECTRONICS EQUIPMENT TROUBLESHOOT & REPAIRS |
| | 68253 | INDUSTRIAL MICROBIOLOGY THEORY PAPER V -INDU.MICROBIO-POLLUTION CONTROL TECHNOLOGY |
| | 68753 | COMPUTER HARDWARE ADMN.NETWORK PAPER V COMPUTER MAINTAINENCE-COMPUTER COMPUTER/IT SERVICE MANAGEMENT AND ENTERPRENEURSHIP DEVELOPMENT |
| | 68953 | SEED TECHNOLOGY PAPER V -SEED PATHOLOGY & ENTOMOLOGY |
| Friday 04-11-2016 | 65663 | INDUSTRIAL CHEMISTRY PAPER - VI : INOR. & ORGA. BASED INDUSTRIES |
| | 65763 | BIOTECHNOLOGY PAPER - VI : ENVI.BIOTECH.& ENTREPRENEURSHIP |
| | 68063 | PHOTOGRAPHY AUDIO VISUAL PROD. PAPER VI STIL.PHOT.&AUDI.PRODUC.-VIDIO PRODUCTION |
| | 68163 | ELECTRONIC EQUIP.& MAINT.THEORY PAPER VI ELEC.EQUI.&MENT.-ELECTRO.INSTRUMENTATION |
| | 68263 | INDUSTRIAL MICROBIOLOGY THEORY PAPER VI -INDU.MICROBIO-ANIM.&PLAN.TISSUE CULTURE |
| | 68763 | COMPUTER HARDWARE ADMN.NETWORK PAPER VI -COMPUTER MAINTENANCE-NETWORK CONCEPTS |
| | 68963 | SEED TECHNOLOGY PAPER VI -SEED TECH.-SEED FARM MANA.,PROC.&STORAGE |

ZOOLOGY

SEMESTER - IV

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|-------------------|--|
| Tuesday 04-10-2016 | 61514 | ZY-341 : ZOOLOGY THEORY PAPER I : BIOTECHNOLOGY |
| Wednesday 05-10-2016 | 61524 | ZY-342 : ZOOLOGY PAPER II : MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY |
| Thursday 06-10-2016 | 61534 | ZY-343 : ZOOLOGY PAPER III : MOLECULAR BIOLOGY |
| Friday 07-10-2016 | 61544 | ZY-344 : ZOOLOGY PAPER IV : ORGANIC EVOLUTION |
| Saturday 08-10-2016 | 615A4 | ZOOLOGY PAPER-V -ZY-345-A: PUBLIC HEALTH & HYGIENE |
| | 615B4 | ZOOLOGY PAPER-V -ZY-345-B: BIODIVERSITY |
| Monday 10-10-2016 | 61564 | ZOOLOGY PAPER - VI : GENETIC & DEVELOPMENTAL BIOLOGY |

**THIRD YEAR B.SC.(REGULAR)(2008 PATTERN)
(INCLUDING VOC)/212/S-2016**

SEMESTER - III

Time:-02.30 PM To 04.30 PM

| Day & Date | Paper Code | Subject |
|-------------------------|------------|--|
| Thursday 20-10-2016 | 61513 | ZY-331 : ZOOLOGY THEORY PAPER I : GENERAL ZOOLOGY |
| Friday 21-10-2016 | 61523 | ZY-332 : ZOOLOGY PAPER II : MAMMALIANS HISTOLOGY |
| Saturday 22-10-2016 | 61533 | ZY-333 : ZOOLOGY THEORY PAPER III : BIOLOGICAL-CHEMISTRY |
| Monday 24-10-2016 | 61543 | ZY-334 : ZOOLOGY PAPER IV : ENVIRONMENTAL BIOLOGY & TOXICOLOGY |
| Tuesday 25-10-2016 | 615A3 | ZY-335-A ZOOLOGY PAPER-V : GENERAL PATHOLOGY |
| | 615B3 | ZY-335-B ZOOLOGY PAPER-V : BASIC ENTOMOLOGY |
| Wednesday 26-10-2016 | 61563 | ZY-336 : ZOOLOGY PAPER-VI -CELL BIOLOGY |

NOTE: -

1. The practical examination of TY.B.Sc. will be conducted before theory examination between 06.09.2016 to 19.09.2016.
2. The last examination of the TY.B.Sc.(2008 pattern) will be held in Oct./Nov. 2016.

Ganeshkhind, Pune - 411 007

Ref.No/XCT:922

Date:02/09/2016

Dr. Ashok Chavan

Controller of Examinations