

# UNIVERSITY OF PUNE



## Examination Circular No. 24 of 2014

### Programme of Third Year B.Sc. Sem. III & IV (Including Vocational) (2008 Pattern) Examination, MARCH 2014 (REVISED AS ON 10.03.2014)

#### Instructions for Candidates:

1. Candidates are required to be present at the respective Colleges of the examination fifteen minutes before the time fixed for the first paper and ten minutes before the time of each subsequent paper. **(As per Circular No 128/2013 Dated 10.10.2013)**
2. Candidates are forbidden from taking any material into the examination hall, that can be used for malpractice at the time of examination.
3. 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 programme.
4. No request for any special concession such as a change in time or any day fixed for the University Examination on religious or any other ground shall be granted.
5. The use of non-programmable calculator is permitted.

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

The Written Examination will be conducted in the following order:

**Botany  
SEM-III  
3.00 P.M. To 5.00 P.M**

Exam Date	Exam Day	Sub Code	Sub Name
24/03/2014	Monday	61413	BO-331 : BOTANY PAPER-I -ALGAE, FUNGI & BRYOPHYTES
25/03/2014	Tuesday	61423	BO-332 : BOTANY PAPER-II -MOLECULAR BIOLOGY
26/03/2014	Wednesday	61433	BO-333 : BOTANY PAPER-III -ANGIOSPERMS & EVOLUTION
27/03/2014	Thursday	61443	BO-334 : BOTANY PAPER-IV -GENETICS & PLANT BREDDING
28/03/2014	Friday	61453	BO-335 : BOTANY PAPER-V -BIOMETRY & COMPUTER APPLICATIONS
29/03/2014	Saturday	61463	BO-336 : BOTANY PAPER-VI -CELL BIOLOGY & SEED TECHNOLOGY

**Botany  
SEM-IV  
3.00 P.M. To 5.00 P.M**

Exam Date	Exam Day	Sub Code	Sub Name
09/04/2014	Wednesday	61414	BO-341 : BOTANY PAPER-I -PLANT PHYSIOLOGY & BIOCHEMISTRY
11/04/2014	Friday	61424	BO-342 : BOTANY PAPER-II -PLANT PATHOLOGY
12/04/2014	Saturday	61434	BO-343 : BOTANY PAPER-III -PHERIDOPHYTES, GYMNOSPERMS & PALAEOBOTANY
15/04/2014	Tuesday	61444	BO-344 : BOTANY PAPER-IV -PLANT BIOTECHNOLOGY
19/04/2014	Saturday	61454	BO-345 : BOTANY PAPER-V -BOTANICAL TECHNIQUES
21/04/2014	Monday	61464	BO-346 : BOTANY PAPER-VI -PHARMACOGNOSY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**GEOLOGY  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61613	GL-331 : GEOLOGY PAPER-I -MINERALOGY
25/03/2014	Tuesday	61623	GL-332 : GEOLOGY PAPER-II -IGNEOUS PETROLOGY
26/03/2014	Wednesday	61633	GL-333 : GEOLOGY PAPER-III -SEDIMENTARY PETROLOGY
27/03/2014	Thursday	61643	GL-334 : GEOLOGY PAPER-IV -STRUCTURAL GEOLOGY
28/03/2014	Friday	61653	GL-335 : GEOLOGY PAPER-V -PRECRAMBRIAN STRATIGRAPHY OF INDIA
29/03/2014	Saturday	61663	GL-336 : GEOLOGY PAPER-VI -APPLIED GEOLOGY-I

**GEOLOGY  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61614	GL-341 : GEOLOGY PAPER-I -METAMORPHIC PETROLOGY
11/04/2014	Friday	61624	GL-342 : GEOLOGY PAPER-II -ENVIRINMENTAL GEOLOGY
12/04/2014	Saturday	61634	GL-343 : GEOLOGY PAPER-III -ECONOMIC GEOLOGY
15/04/2014	Tuesday	61644	GL-344 : GEOLOGY PAPER-IV –GEOTECTONICS
19/04/2014	Saturday	61654	GL-345 : GEOLOGY PAPER--V -PHANEROZOIC STRATIGRAPHY OF INDIA & PALAEONTOLOGY
21/04/2014	Monday	61664	GL-346 : GEOLOGY PAPER-VI -APPLIED GEOLOGY-II

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**Chemistry  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61313	CH-331 : CHEMISTRY PAPER-I -PHYSICAL CHEMISTRY
25/03/2014	Tuesday	61323	CH-332 : CHEMISTRY PAPER-II -INORGANIC CHEMISTRY
26/03/2014	Wednesday	61333	CH-333 : CHEMISTRY PAPER-III -ORGANIC CHEMISTRY
27/03/2014	Thursday	61343	CH-334 : CHEMISTRY PAPER-IV - ANALYTICAL CHEMISTRY
28/03/2014	Friday	61353	CH-335 : CHEMISTRY PAPER-V - INDUSTRIAL CHEMISTRY
29/03/2014	Saturday	613B3	CHEMISTRY PAPER-VI -CH-336-B : POLYMER CHEMISTRY
		613E3	CHEMISTRY PAPER-VI -CH-336-E : AGRICULTURAL CHEMISTRY
		613C3	CHEMISTRY PAPER-VI -CH-336-C : BIO-CHEMISTRY
		613D3	CHEMISTRY PAPER-VI -CH-336-D : ENVIRONMENTAL CHEMISTRY
		613A3	CHEMISTRY PAPER-VI -CH-336-A : NUCLEAR CHEMISTRY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**CHEMISTRY  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61314	CH-341 : CHEMISTRY PAPER-I -PHYSICAL CHEMISTRY
11/04/2014	Friday	61324	CH-342 : CHEMISTRY PAPER-II -INORGANIC CHEMISTRY
12/04/2014	Saturday	61334	CH-343 : CHEMISTRY PAPER-III -ORGANIC CHEMISTRY
15/04/2014	Tuesday	61344	CH-344 : CHEMISTRY PAPER-IV -ANALYTICAL CHEMISTRY
19/04/2014	Saturday	61354	CH-345 : CHEMISTRY PAPER-V -INDUSTRIAL CHEMISTRY
21/04/2014	Monday	613B4	CHEMISTRY PAPER-VI -CH-346-B : POLYMER CHEMISTRY
		613E4	CHEMISTRY PAPER-VI -CH-346-E : DAIRY CHEMISTRY
		613C4	CHEMISTRY PAPER-VI -CH-346-C : BIO-CHEMISTRY
		613D4	CHEMISTRY PAPER-VI -CH-346-D : ENVIRONMENTAL CHEMISTRY
		613A4	CHEMISTRY PAPER-VI -CH-346-A : NUCLEAR CHEMISTRY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**ELECTRONICS  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	62213	EL-331 : ELECTRONICS PAPER-I -ADVANCED DIGITAL SYSTEMS DESIGN
25/03/2014	Tuesday	62223	EL-332 : ELECTRONICS PAPER-II -MICRO-CONTROLLERS
26/03/2014	Wednesday	62233	EL-333 : ELECTRONICS PAPER-III -ANALOG CIRCUITS DESIGNS & APPLICATION OF LINEAR IC'S
27/03/2014	Thursday	62243	EL-334 : ELECTRONICS PAPER-IV -FOUNDATIONS OF NANOELECTRONICS
28/03/2014	Friday	62253	EL-335 : ELECTRONICS PAPER-V -'C' PROGRAMMING
29/03/2014	Saturday	622G3	ELECTRONICS PAPER-VI -EL -336-B : SENSOR & ACTUATORS
		622F3	ELECTRONICS PAPER-VI -EL -336-A : FIBER OPTICS & FIBER OPTICS COMMUNICATIONS

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**ELECTRONICS  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	62214	EL 341 : ELECTRONIC SCIENCE PAPER-I - ADVANCED COMMUNICATION SYSTEMS
11/04/2014	Friday	62224	EL-342 : ELECTRONICS SCIENCE PAPER-II - EMBEDDED SYSTEMS
12/04/2014	Saturday	62234	EL-343 : ELECTRONICS SCIENCE PAPER-III - POWER ELECTRONICS
15/04/2014	Tuesday	62244	EL-344 : ELECTRONICS SCIENCE PAPER-IV - ELECTRONIC MATERIALS & DEVICES
19/04/2014	Saturday	62254	EL-345 : ELECTRONICS SCIENCE PAPER-V - MATHEMATICAL METHODS & ANALYSIS USING MATLAB
21/04/2014	Monday		<b>EL-346-OPTIONAL COURSE</b>
		622H4	B) Consumer Electronics
		622G4	A) Instrumentation

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**MICROBIOLOGY  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61913	MB-331 : MICROBIOLOGY PAPER-I – MEDICAL MICROBIOLOGY- I
25/03/2014	Tuesday	61923	MB-332 : MICROBIOLOGY PAPER-II – GENETICS & MOLECULAR BIOLOGY-I
26/03/2014	Wednesday	61933	MB-333 : MICROBIOLOGY PAPER-III – ENZYMOMOLOGY
27/03/2014	Thursday	61943	MB-334 : MICROBIOLOGY PAPER-IV - IMMUNOLOGY-I
28/03/2014	Friday	61953	MB-335 : MICROBIOLOGY PAPER-V - FERMENTATION TECHNOLOGY-I
29/03/2014	Saturday	61963	MB-336 : MICROBIOLOGY PAPER-VI – FOOD & DAIRY MICROBIOLOGY



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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**MICROBIOLOGY  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61914	MB-341-MEDICAL MICROBIOLOGY
11/04/2014	Friday	61924	MB-342 : MICROBIOLOGY PAPER-II -GENETICS & MOLECULAR BIOLOGY-II
12/04/2014	Saturday	61934	MB-343 : MICROBIOLOGY PAPER-III –METABOLISM
15/04/2014	Tuesday	61944	MB-344 : MICROBIOLOGY PAPER-IV -IMMUNOLOGY-II
19/04/2014	Saturday	61954	MB-345 : MICROBIOLOGY PAPER-V -FERMENTATION TECHNOLOGY-II
21/04/2014	Monday		<b>OPTIONAL COURSE</b>
		61964	MB-346 : MICROBIOLOGY PAPER-VI -SOIL & AGRICULTURAL MICROBIOLOGY

**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**MATHEMATICS  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61113	MATHEMATICS PAPER-I -MT-331 : SET THEORY AND LOGIC
25/03/2014	Tuesday	61123	MATHEMATICS PAPER-II -MT-332 :REAL ANALYSIS
26/03/2014	Wednesday	61133	MATHEMATICS PAPER-III -MT-333 :PROBLEM COURSE ON MT-331 & MT-332
27/03.2014	Thursday	61143	MATHEMATICS PAPER-IV -MT-334: GROUP THEORY
28/03/2014	Friday	61153	MATHEMATICS PAPER-V -MT-335: ORDINARY DIFFERENTIAL EQUATIONS
29/03/2014	Saturday	61163	MATHEMATICS PAPER-VI -MT-336:PROBLEM COURSE ON MT-334 & MT-335
01/04/2014	Tuesday	611A3	MATHEMATICS PAPER- VII -MT 337 A : OPERATION RESEARCH
02/04/2014	Wednesday	611E3	MATHEMATICS PAPER- VII -MT 337 B : LATTICE THEORY
03/04/2014	Thursday	611F3	MATHEMATICS PAPER- VII -MT 337 C : C PROGRAMMING
04/04/2014	Friday	611P3	MATHEMATICS PAPER- VII -MT 337 D : DIFFERENTIAL GEOMETRY
05/04/2014	Saturday	611D3	MATHEMATICS PAPER- VII -MT 337 E : COMBINATORICS
07/04/2014	Monday	611N3	MATHEMATICS PAPER- VII -MT 337 F : NUMBER THEORY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**MATHEMATICS  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61114	MT-341 : MATHEMATICS PAPER-I -METRIC SPACES
11/04/2014	Friday	61124	MT-342 : MATHEMATICS PAPER-II - COMPLEX ANALYSIS
12/04/2014	Saturday	61134	MT-343 : MATHEMATICS PAPER-III - PROBLEM COURSE ON MT-341 & MT-342
15/04/2014	Tuesday	61144	MT-344 : MATHEMATICS PAPER-IV -RING THEORY
19/04/2014	Saturday	61154	MT-345-PARTIAL DIFFERENTIAL EQUATIONS
21/04/2014	Monday	61164	MT-346 : MATHEMATICS PAPER-VI - PROBLEM COURSE ON MT-344 & MT-345
22/04/2014	Tuesday	611E4	MATHEMATICS PAPER-VII -MT-347 A :OPTIMIZATION TECHNIQUES
26/04/2014	Saturday	611F4	MATHEMATICS PAPER-VII -MT-347 B :IMPROPER INTEGRAL & LAPLACE TRANSFORMS
28/04/2014	Monday	611G4	MATHEMATICS PAPER-VII -MT-347 C : C PROGRAMMING-II
29/04/2014	Tuesday	611H4	MATHEMATICS PAPER-VII -MT-347 D : DYNAMICS
03/05/2014	Saturday	611N4	MATHEMATICS PAPER-VII -MT-347 E :LEBESGUE INTEGRATION
05/05/2014	Monday	611D4	MATHEMATICS PAPER-VII -MT-347 F :COMPUTATIONAL GEOMETRY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**STATISTICS  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61713	ST-331 : STATISTICS PAPER-I - DISTRIBUTION THEORY-I
25/03/2014	Tuesday	61723	ST-332 : STATISTICS PAPER-II -THEORY OF ESTIMATION
26/03/2014	Wednesday	61733	ST-333 : STATISTICS PAPER-III - STATISTICAL PROCESS CONTROL ( Online Method)
27/03/2014	Thursday	61743	ST-334 : STATISTICAL PAPER-IV -DESIGN OF EXPERIMENTS
28/03/2014	Friday	61753	ST-335 : STATISTICS PAPER-V -'C' PROGRAMMING ( TURBO-C) ST-335 : STATISTICS PAPER-V
29/03/2014	Saturday	617D3	STATISTICS PAPER-VI -ST 336(C) : TIME SERIES ANALYSIS
		617B3	STATISTICS PAPER-VI -ST 336(B) : ACTUARIAL STATISTICS
		617A3	STATISTICS PAPER-VI -ST 336(A) : OPERATIONS MANAGEMENT

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**STATISTICS  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61714	ST-341 ; STATISTICS PAPER-I - DISTRIBUTION THEORY-II
11/04/2014	Friday	61724	ST-342 : STATISTICS PAPER-II -TESTING OF HYPOTHESES
12/04/2014	Saturday	61734	ST-343 : STATISTICS PAPER-III - STATISTICAL PROCESS CONTROL ( Off Line Methods )
15/04/2014	Tuesday	61744	ST-344 : STATISTICAL PAPER-IV -SAMPLING METHODS
19/04/2014	Saturday	61754	ST-345 : STATISTICS PAPER-V -OPERATION RESEARCH
21/04/2014	Monday		<b>OPTIONAL COURSE</b>
		617E4	STATISTICS PAPER-VI -ST-346-C : STATISTICAL COMPUTING USING R SOFTWARE
		617D4	STATISTICS PAPER-VI -ST-346-A : MEDICAL STATISTICS
		617B4	STATISTICS PAPER-VI -ST-346-B : STATISTICAL ECOLOGY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**PHYSICS  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61213	PH-331 : PHYSICS PAPER-I -MATHEMATICAL METHODS IN PHYSICS
25/03/2014	Tuesday	61223	PH-332 : PHYSICS PAPER-II -CLASSICAL ELECTRODYNAMICS
26/03/2014	Wednesday	61233	PH-333 : PHYSICS PAPER-III -CLASSICAL MECHANICS
27/03/2014	Thursday	61243	PH-334 : PHYSICS PAPER-IV -ATOMIC & MOLECULAR PHYSICS
28/03/2014	Friday	61253	PH-335 : PHYSICS PAPER-V -'C' PROGRAMMING & COMPUTATIONAL PHYSICS
29/03/2014	Saturday		<b>ELECTIVE - I (Select Any One)</b>
		612B3	PHYSICS PAPER-VI -PH-336D : BIOPHYSICS
		612L3	PHYSICS PAPER-VI -PH-336B : ELEMENTS OF MATERIAL SCIENCE
		612F3	PHYSICS PAPER-VI -PH-336C : MOTION PICTURE PHYSICS
		612J3	PHYSICS PAPER-VI -PH-336E : MEDICAL ELECTRONICS
		612A3	PHYSICS PAPER-VI -PH-336A : ASTRONOMY & ASATROPHYSICS-I

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**PHYSICS  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61214	PH-341 : PHYSICS PAPER-I -SOLID STATE PHYSICS
11/04/2014	Friday	61224	PH-342 : PHYSICS PAPER-II -QUANTUM MECHANICS
12/04/2014	Saturday	61234	PH-343 : PHYSICS PAPER-IV - THERMODYNAMICS & STATISTICAL PHYSICS
15/04/2014	Tuesday	61244	PH-344 : PHYSICS PAPER-IV -NUCLEAR PHYSICS
19/04/2014	Saturday	61254	PH-345 : PHYSICS PAPER-V -(1) ELECTRONICS (2) ADVANCED ELECTRONICS
21/04/2014	Monday		<b>ELECTIVE(Select Any One)</b>
		612G4	PHYSICS PAPER-VI -PH-346 -F : RENEWABLE ENERGY SOURCES
		612P4	PHYSICS PAPER-VI -PH-346 -H : MICROCONTROLLERS
		612J4	PHYSICS PAPER-VI -PH-346 -G : PHYSICS OF NANOMATERIALS
		612L4	PHYSICS PAPER-VI -PH-346 -J : LASERS
		612D4	PHYSICS PAPER-VI -PH-346 -I : ELECTRO ACOUSTICS & ENTERTAINMENT ELECTRONICS

**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**GEOGRAPHY  
SEM-III  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61813	Gg-331 : GEOGRAPHY PAPER-I -PRINCIPLES & TECHNIQUES
25/03/2014	Tuesday	61823	Gg-332 : GEOGRAPHY PAPER-II - GEOGRAPHY OF TRAVEL & TOURISM
26/03/2014	Wednesday	61833	Gg-333 : GEOGRAPHY PAPER-III - FUNDAMENTALS OF GEOINFORMATICS PART-I
27/03/2014	Thursday	61843	Gg-334 : GEOGRAPHY PAPER-IV -INDIA GEOGRAPHICAL STUDY
28/03/2014	Friday	61853	Gg-335 : GEOGRAPHY PAPER-V - GEOGRAPHY OF SOILS PAPER-I
29/03/2014	Saturday	61863	Gg-336 : GEOGRAPHY PAPER-VI - FUNDAMENTALS OF GEOINFORMATICS PART-II

**GEOGRAPHY  
SEM-IV  
3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61814	Gg-341 : GEOGRAPHY PAPER-I -PRINCIPLES & TECHNIQUES OF WATERSHED MANAGEMENT
11/04/2014	Friday	61824	Gg 342 : GEOGRAPHY PAPER-II - GEOGRAPHY OF TRAVEL & TOURISM
12/04/2014	Saturday	61834	Gg 343 : GEOGRAPHY PAPER-III - FUNDAMENTALS OF GEOINFORMATICS PAPER-II
15/04/2014	Tuesday	61844	Gg 344 : GEOGRAPHY PAPER-IV -INDIA : A GEOGRAPHICAL STUDY
19/04/2014	Saturday	61854	Gg 345 : GEOGRAPHY PAPER-V - GEOGRAPHY OF SOILS PAPER-II
21/04/2014	Monday	61864	Gg 346 : GEOGRAPHY PAPER-VI - FUNDAMENTALS OF GEOINFORMATICS PAPER-II



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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**ZOOLOGY**  
**SEM-III**  
**3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
24/03/2014	Monday	61513	ZY-331 : ZOOLOGY PAPER-I -GENERAL ZOOLOGY
25/03/2014	Tuesday	61523	ZY-332 : ZOOLOGY PAPER-II -MAMMALIANS HISTOLOGY
26/03/2014	Wednesday	61533	ZY-333 : ZOOLOGY PAPER-III -BIOLOGICAL-CHEMISTRY
27/03/2014	Thursday	61543	ZY-334 : ZOOLOGY PAPER-IV - ENVIRONMENTAL BIOLOGY & TOXICOLOGY
28/03/2014	Friday	615B3	ZOOLOGY PAPER-V -ZY-335-B : BASIC ENTOMOLOGY
		615A3	ZOOLOGY PAPER-V -ZY-335-A : GENERAL PATHOLOGY
29/03/2014	Saturday	61563	ZY-336 : ZOOLOGY PAPER-VI -CELL BIOLOGY

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**Zoology**

**Sem IV**

**3.00 P.M To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	61514	ZY-341 : ZOOLOGY PAPER-I – BIOTECHNOLOGY
11/04/2014	Friday	61524	ZY 342 : ZOOLOGY PAPER-II -MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY
12/04/2014	Saturday	61534	ZY-343 : ZOOLOGY PAPER-III -MOLECULAR BIOLOGY
15/04/2014	Tuesday	61544	ZY-344 : ZOOLOGY PAPER-IV -ORGANIC EVOLUTION
19/04/2014	Saturday	615B4	ZOOLOGY PAPER-V -ZY-345-B : BIODIVERSITY
		615A4	ZOOLOGY PAPER-V -ZY-345-A : PUBLIC HEALTH & HYGIENE [ OR ]
21/04/2014	Monday	61564	ZY-346 : ZOOLOGY PAPER-VI -GENETICS & DEVELOPMENTAL BIOLOGY

**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)****DEFENCE STUDIES**

SEM-III

3.00 P.M. To 5.00 P.M

Exam Date	Exam Day	Sub Code	Sub Name
24/03/2014	Monday	62313	DS-331 : DEFENCE STUDIES PAPER-I -SCIENCE TECHNOLOGY & NATIONAL SECURITY
25/03/2014	Tuesday	62323	DS-332 : DEFENCE STUDIES PAPER-II -DEFENCE ECONOMICS
26/03/2014	Wednesday	62333	DS-333 : DEFENCE STUDIES PAPER-III -STUDY OF DISASTER
27/03/2014	Thursday	62343	DS-334 : DEFENCE STUDIES PAPER-IV - RESEARCH METHODOLOGY
28/03/2014	Friday	62353	DS-335 : DEFENCE STUDIES PAPER-V - COMPUTER APPLICATIONS IN DEFENCE MANAGEMENT
29/03/2014	Saturday	623C3	DEFENCE STUDIES PAPER-VI -DS-336-C : INDIAN WAR SINCE INDEPENDENCE-I
		623B3	DEFENCE STUDIES PAPER-VI -DS-336-B : MARATHA MILITARY SYSTEM-I
		623A3	DEFENCE STUDIES PAPER-VI -DS-336-A : INDIAN MILITARY SYSTEM-I
01/04/2014	Tuesday	623E3	DEFENCE STUDIES PAPER-VII -DS-337-B : DEFENCE JOURNALISM
		623D3	DEFENCE STUDIES PAPER-VII -DS-337-A: MILITARY SOCIOLOGY
		623F3	DEFENCE STUDIES PAPER-VII -DS-337-C : DEFENCE PREPAREDNESS OF INDIA-I
02/04/2014	Wednesday	623H3	DEFENCE STUDIES PAPER-VIII -DS-338 -B: INTERNATIONAL ORGANISATION & NATIONAL SECURITY
		623G3	DEFENCE STUDIES PAPER-VIII -DS-338 -A: ARMED CONFLICT & HUMAN RIGHTS
		623J3	DEFENCE STUDIES PAPER-VIII -DS-338 -C: INTERNATIONAL LAW
03/04/2014	Thursday	623L3	DEFENCE STUDIES PAPAER-IX -DS-339 -B : INTERNAL SECURITY OF INDIA-I
		623M3	DEFENCE STUDIES PAPAER-IX -DS-339 -C : INDIA'S MARITIME SECURITY-I
		623K3	DEFENCE STUDIES PAPAER-IX -DS-339 -A : DEFENCE MANAGEMENT IN INDIA

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**DEFENCE STUDIES**

**SEM-IV**

**3.00 P.M. To 5.00 P.M**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	62314	DS-341 : DEFENCE STUDIES PAPER-I - MANAGEMENT OF MILITARY TECHNOLOGY IN INDIA
11/04/2014	Friday	62324	DS-342 : DEFENCE STUDIES PAPER-II - ECONOMIC ASPECTS OF WAR
12/04/2014	Saturday	62334	DS-343 : DISASTER MANAGEMENT
15/04/2014	Tuesday	62354	DS-345 : DEFENCE STUDIES PAPER-V - INFORMATION TECHNOLOGY & NATIONAL SECURITY
19/04/2014	Saturday		<b>Optional</b>
		623B4	DEFENCE STUDIES-VI -DS 346 -B : MARATHA MILITARY SYSTEM-II
		623C4	DEFENCE STUDIES-VI -DS 346 -C : INDIAN WAR SINCE INDEPENDENCE-II
		623A4	DEFENCE STUDIES-VI -DS 346 -A : INDIAN MILITARY SYSTEM-II
21/04/2014	Monday	623E4	DEFENCE STUDIES- VII -DS 347 -B : DEFENCE JOURNALISM & NATIONAL SECURITY
		623D4	DEFENCE STUDIES- VII -DS 347 -A : MILITARY PSYCHOLOGY
		623F4	DEFENCE STUDIES- VII -DS 347 -C : DEFENCE PREPAREDNESS OF INDIA-II
22/04/2014	Tuesday	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
26/04/2014	Saturday	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
		623K4	DEFENCE STUDIES PAPER-IX -DS 349:A)MANAGEMENT OF DEFENCE PRODUCTION & LOGISTICS IN INDIA

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**ENVIRONMENTAL SCIENCE**

**SEM-III**

**3.00 P.M. To 5.00 P.M.**

24/03/2014	Monday	62413	ENV-301 : ENVIRONMENTAL SCIENCE PAPER-I - TERRESTRIAL ECOSYSTEMS & MANAGEMENT
25/03/2014	Tuesday	62423	ENV-302 : ENVIRONMENTAL SCIENCE PAPER-II - WILDLIFE BIOLOGY
26/03/2014	Wednesday	62433	ENV-303 : ENVIRONMENTAL SCIENCE PAPER-III - WATER QUALITY
27/03/2014	Thursday	62443	ENV-304 : ENVIRONMENTAL SCIENCE PAPER-IV - ISSUES IN ENVIRONMENTAL SCIENCE
28/03/2014	Friday	62453	ENV-305 : ENVIRONMENTAL SCIENCE PAPER-V - ENVIRONMENTAL GOVERNANCE & EQUILITY LAW & ETHICS
29/03/2014	Saturday	62463	ENV-306 : ENVIRONMENTAL SCIENCE PAPER-IV - ENVIRONMENTAL BIOTECHNOLOGY-I

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**ENVIRONMENTAL SCIENCE**

**SEM-IV**

**3.00 P.M. To 5.00 P.M.**

<b>Exam Date</b>	<b>Exam Day</b>	<b>Sub Code</b>	<b>Sub Name</b>
09/04/2014	Wednesday	62414	ENV-341 : ENVIRONMENTAL SCIENCE PAPER-I - AQUATIC ECOSYSTEMS & MANAGEMENT
11/04/2014	Friday	62424	ENV-342 : ENVIRONMENTAL SCIENCE PAPER-II -NATURE CONSERVATION
12/04/2014	Saturday	62434	ENV-343 : ENVIRONMENTAL SCIENCE PAPER-III -AIR & SOIL QUALITY
15/04/2014	Tuesday	62444	ENV-344 : ENVIRONMENTAL SCIENCE PAPER-IV -ISSUES IN ENVIRONMENTAL SCIENCE
19/04/2014	Saturday	62454	ENV-345 : ENVIRONMENTAL SCIENCE PAPER-V -ENVIRONMENTAL GOVERNANCE & EQUITY : EMS, ISO 14000
21/04/2014	Monday	62464	ENV 346 : ENVIRONMENTAL SCIENCE PAPER-VI -ENVIRONMENTAL BIOTECHNOLOGY-I

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**  
**Vocational**

**03.00 P.M. To 5.00 P.M.**  
**Sem.III**

Exam Date	Exam Day	Sub Code	Sub Name
01/04/2014	Tuesday		<b>VOCATIONAL P-V</b>
		68253	INDUSTRIAL MICROBIOLOGY THEORY PAPER V - INDU.MICROBIO-POLLUTION CONTROL TECHNOLOGY
		68153	ELECTRONIC EQUIP.& MAINT.THEORY PAPER V - ELECTRONIC EQUIPMENT TROUBLESHOOT AND REPAIRS
		68953	SEED TECHNOLOGY PAPER V -SEED TECH.-SEED PATHOLOGY & ENTOMOLOGY
		68753	COMPUTER HARDWARE ADMN.NETWORK PAPER V - COMPUTER MAINTAINENCE-COMPUTER COMPUTER/IT SERVICE MANAGEMENT AND ENTERPRENEURSHIP DEVELOPMENT
		65653	INDUSTRIAL CHEMISTRY PAPER - V -INDUS.CHEMIS.- INDUS.MET.OF CHEMIC.ANALYS
		65753	BIOTECHNOLOGY PAPER - V -BIOTECHNOLOGY - PLANT BIOTECHNOLOGY
		68053	PHOTOGRAPHY AUDIO VISUAL PROD. PAPER V - STILL PHOTOGRAPHY AND AUDIO VISUAL PRODUCT-VIDEO RECORDING AND PLAYBACK SYSTEMS
02.04/2014	Wednesday		<b>VOCATIONAL P-VI</b>
		68263	INDUSTRIAL MICROBIOLOGY THEORY PAPER VI - INDU.MICROBIO-ANIM.&PLAN.TISSUE CULTURE
		68763	COMPUTER HARDWARE ADMN.NETWORK PAPER VI - COMPUTER MAINTENANCE-NETWORK CONCEPTS
		65763	BIOTECHNOLOGY PAPER - VI -BIO-TECH.- ENVI.BIOTECH.&ENTREPRENEURSHIP
		68963	SEED TECHNOLOGY PAPER VI -SEED TECH.-SEED FARM MANA.,PROC.&STORAGE
		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
		65663	INDUSTRIAL CHEMISTRY PAPER - VI -INDU.CHEM.- INOR.& ORGA.BASED INDUSTRIES

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**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

**Vocational  
03.00 P.M. To 5.00 P.M.  
Sem.IV**

Exam Date	Exam Day	Sub Code	Sub Name
22/04/2014	Tuesday		<b>VOCATIONAL P-V</b>
		68254	INDUSTRIAL MICROBIOLOGY PAPER V -Molecular Biology and Recombinant DNA Technology
		68754	COMPUTER HARDWARE ADMN.NETWORK PAPER V - COMPUTER MAINTENANCE-COMPUTER HARDWARE ADMINISTRATION NETWORK
		68154	ELECTRONIC EQUIP.& MAINT.THEORY PAPER V - ELECTRONIC EQUIPMENT & MAINTENENCE - ENTREPRENEURSHIP DEVELOPMENT
		65654	INDUSTRIAL CHEMISTRY PAPER - V -INORGANIC & ORGANIC BASED INDUSTRIES
		68054	PHOTOGRAPHY AUDIO VISUAL PROD. PAPER V -STILL PHOTOGRAPHY & AUDIO PRODUCT - ENTREPRENEURSHIP DEVELOPMENT
		68954	SEED TECHNOLOGY PAPER V -SEED TECHNOLOGY- ENTREPRENEURSHIP DEVELOPMENT
		65754	BIOTECHNOLOGY PAPER - V -BIOTECHNOLOGY - ENTREPRENEURSHIP DEVELOPMENT
26/04/2014	Saturday		<b>VOCATIONAL P-VI</b>
		68264	INDUSTRIAL MICROBIOLOGY PAPER VI -Entrepreneurship Development
		68764	COMPUTER HARDWARE ADMN.NETWORK PAPER VI - COMPUTER MAINTENANCE -COMPUTER HARDWARE & NETWORK ADMINISTRATION
		65764	BIOTECHNOLOGY PAPER - VI --MICROBIAL BIOTECHNOLOGY
		68964	SEED TECHNOLOGY PAPER VI --BIOTECHNOLOGY AND INTELLECTUAL PROPERTY RIGHTS
		68064	PHOTOGRAPHY AUDIO VISUAL PROD. PAPER VI -STILL PHOTOGRAPHY & AUDIO PRODUCT -RADIO PRODUCTION
		68164	ELECTRONIC EQUIP.& MAINT.THEORY PAPER VI -- MEDICAL INSTRUMENTATION
		65664	INDUSTRIAL CHEMISTRY PAPER - VI --INORGANIC & ORGANIC BASED INDUSTRIES II
28/04/2014	Monday	69214	ENTREPRENEURSHIP DEVELOPMENT GRADE - -STILL PHOTOGRAPHY & AUDIO PRODUCT- ENTREPRENEURSHIP DEVELOPMENT



**Third Year B.Sc. Sem. III & IV (Including Vocational) ( 2008 Pattern)**

1. The Practical examination of T.Y.B.Sc. will be conducted as per Schedule of Examinations.
2. Backlog students of T.Y.B.Sc. Sem.III & IV (2003 Pattern ) will have to appear as per equivalent subjects of 2008 Pattern.



**Dr.Sampada Joshi**  
**Controller of Examinations**

Ganeshkhind,  
Pune-411007.  
Ref. No. XC/Sci./170  
Date:10/03/2014.