



Circular No.- 44 of 2012

Programme of M. Sc. (ZOOLOGY) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
- 2. Candidates are forbidden to take any study material in the Examination Hall
- 3. Candidates are requested to see the Notice Board regularly for changes if any, notified later in the Programme.
- 4. Candidates are requested to take note of the exact date, day, time and places of every paper on every day.
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- 6. The written examination will be conducted in the following order.



Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Wednesday,	ZOO-401 : Special paper	ZOO-101 : a) Structure & Function
•	(Any one of the following)	Invertebrabrates
25/04/2012	Entomology – II (New)	b) Biochemistry
	Animal physiology-II (New)	b) Biochemistry
	Reproductive physiology- II	
	(New)	
	ZOO-401: Reproductive Physiology-II	
	ZOO-402 : Physiology-II	
	ZOO-403 : Entomology-II	
	a) Applied Entamology	
	b) Insect Physiology	
	ZOO-404 : Fishery Science-II	
	ZOO-405 : Applied Parasitology –II	
	(Old-I St Chance)	
Thursday,	ZOO- 301 Special Paper (Any one	ZOO- 201 a) Cellular Organisation
26/04/2012	From following)	b) Developmental Biology
	a)Entomology-I (New)	(New)
	b)Animal Physiology-I(New)	(21011)
	c) Reproductive physiology-I	
	(New)	
	ZOO-301 : Reproductive Physiology	ZOO-201 :a) General Physiology
	ZOO-302 : Physiology - I	b) Writing Scientific Report
	ZOO-303 : Entomology- I	& Oral Presentation in
	ZOO-304 : Fishery Science-I	English
	ZOO-305 : Applied Parasitology	OR
		b) Economic Zoology
	(Old-II nd Chance)	b) Endocrinology
		(Old-Last Chance)



...2... M. Sc. (ZOOLOGY) Sem. I, II, III & IV Examination, New/Old April, 2012

Day & Date	Subject &	Subject &
	Time: 09.00 am to12.00 Noon	Time: 3.00 pm to 6.00 pm
Friday,	ZOO-402 : a) Systematic and	ZOO-102 : a) Structure & Function
27/04/2012	Evolutionary Biology	Vertebrates
2770472012	b) Animal biotechnology	b) Biostatistics
	(New)	o) Biostatistics
	ZOO-411 : Physiology of	
	Reproduction	
	ZOO-412 : Pest Control	
	ZOO-413 : Animal Behaviour	
	ZOO-414 : Insect Endocrinology	
	(Old-I St Chance)	
Saturday,	ZOO302 a) Enzymology	ZOO-202 a) Advances in molecular
28/04/2012	b) System physiology -	biology
	Animal (New)	b)Genetics (New)
	ZOO-311 : Enzymology	ZOO-202 : Cellular & Development
	ZOO-312 : Systematics, Paleontology	Biology
	& Organic Evolution	(Old-Last Chance)
	ZOO-313 : Parasitology	·
	ZOO-314:Biophysics(Old-II nd Chance)	
Monday,	ZOO-403:a) Methods in Biology	ZOO-103: a) Ecology
30/04/2012	b) Fundamental processes	b)Evolution and behavior
	and tools in biology	
	(New)	
	ZOO-415 : Insect Toxicology	
	ZOO-416: Ichthyology	
	ZOO-417 : Histochemistry	
	ZOO-418 : Basic Biotechnology	
	ZOO-419 : Fish Physiology	
	(Old-I St Chance)	
Wednesday,	ZOO-303 a) Applied Biology	ZOO-203 a) Animal behavior
02/05/2012	b) Skill in scientific	b) Immunology (New)
	communication and	
	writing a research report (New)	
	ZOO-315 : Endocrinology	ZOO-203: a) Molecular Biology and
	ZOO-316 : Insect Anatomy	Biotechnology
	ZOO-317 : Aquaculture	b) Genetics
	ZOO-318: Insect Development and	(Old-Last Chance)
	Insect Ecology	
	ZOO-319 : Computer Programming	
	ZOO-320 : Taxonomy, Distribution	
	& Binomics of Fishes	
	(Old-II nd Chance)	

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Post Box No.80 Jalgaon 425 001

Ref. No.NMU /7C/ M.Sc.Zoo /1481 / 2012

Date: 21 /03 / 2012

Dr. A.U. Borse Offg. Controller of Examinations

M. Sc. (COMPUTER SCIENCE.) Sem. I, II & III New/Old



NORTH MAHARASHTRA UNIVERSITY, JALGAON

Circular No.- 51 of 2012

Programmes of M. Sc. (Computer Science) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
- 2. Candidates are forbidden to take any study material in the Examination Hall
- 3. Candidates are requested to see the Notice Board regularly for changes if any, notified later in the Programme.
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- 5. The list of Centers & Place of Examination will be notified separately.
- 6. The written examination will be conducted in the following order.



Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Monday, 23/04/2012	CS-301 : Compiler Construction	CS-201 : Advanced Java Programming(New)
23/04/2012		* CS-201 : Java Programming (Old)
Wednesday,	CA-202 : Data and Files Structures (Old)	CS-101 Advanced C++ Programming(New)
25/04/2012	Equivalent to CS-101- Data Structure (Old) Year -2004 Syllabus	\$ CS-101 : Advanced C++ Programming (Old)
Thursday, 26/04/2012		CS-202 : Advanced DBMS (New)
		*CS-202 : Advanced DBMS(Old)
Friday, 27/04/2012	CS-303 : Current Computing Trends	CS-102 Automata Theory and Computability (New)
		\$CS-102 : Distributed Systems (Old)



M. Sc. (COMPUTER SCIENCE) New/Old Exam. Sem. I, II & III April, 2012

Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Saturday, 28/04/2012	CA-402 : Internet Computing Equivalent to CS-303 Internet Computing (Old)	CS-203 : Compiler Construction (New)
		* CS-203: Theory of Automata (Old)
Monday, 30/04/2012	CS-304 : Visual C++ Programming	CS-103Machine Intelligence(New)
		\$ CS-103 : Artificial Intelligence(Old)
Wednesday, 02/05/2012		CS-204 :Design & Analysis of Algorithms(New)
		*CS-204 :Design & Analysis of Algorithms(Old)
Thursday,		CS-104Advanced Operating Systems (New)
03/05/2012		\$ CS-104 : Linux Operating System(Old)
Friday,	CS-302 Data Ware housing & Mining	CS-205: Internet Computing (New)
04/05/2012		*CS-205 : Optimization Techniques(Old)
Saturday, 05/05/2012	CS-305 : Software Engineering	CS-105 Network Programming(New)
		\$ CS-105 : Network Programming (Old)

- * Indicate First Chance
- **\$ Indicate Second Chance**
- # IndicateThird/ Last Chance
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- 8 University reserves right to make timely changes in examination time-table in an eventuality of a sudden announcement/declaration of a holiday by the Govt. and/or holding of MPSC/UPSC Competitive examinations by the Government.

Post Box No.80, Jalgaon 425 001 Ref. No.NMU/7C/ M.Sc.Com.Sci./ 1488 / 2012

Date: 21 /03 / 2012

Dr. A.U. BorseOffg.Controller of Examinations





Circular No- 47 of 2012

Programme of M.A. / M. Sc. (Geography) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
- 2. Candidates are forbidden to take any study material in the Examination Hall
- 3. Candidates are requested to see the Notice Board regularly for changes if any, notified later in the Programme.
- 4. Candidates are requested to take note of the exact date, day, time and places of every paper on every day.
- 5. The list of Centers & Place of Examination will be notified separately.
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Day &	Subject &	Subject &
Date	Time: 09.00 am to12.00 Noon	Time: 3.00 pm to 6.00 pm
Thursday,	Gg-401:a) Tropical Geomorphology	Gg-101: Principles of Economics
26/04/2012	b) Monsoon Climatology	Geography
	c) Geography of Trade &	
	Transport	
	d)Urban Geography	
Friday,	Gg-301 : a) Fluvial Geomorphology	Gg-201 : Principles of Geomorphology
27/04/2012	b) Synoptic Climatology	
	c) Agricultural Geography	
	d) Population Geography	
Saturday,	Gg-402 : A) Soil Geography	Gg-102: Principles of Population and
28/04/2012	OR	Settlement Geography
	B) Research Methodology	
	Gg-402 : a) Application of Computer in	
	Geography & G.I.S. (Old)	
Monday,	Gg-302 : a) Coastal Geomorphology	Gg-202: Principles of Climatology
30/04/2012	b) Applied Climatology	
	c) Industrial Geography	
	d) Geography of Rural	
	Settlement	

M.A. / M. Sc. (GEOGRAPHY)

Sem: I,II,III &IV Examination, April, 2012

Day &	Subject &	Subject &
Date	Time: 09.00 am to12.00 Noon	Time: 3.00 pm to 6.00 pm
Wednesday, 02/05/2012	Gg-403 : A) Regional Planning OR C) Hydrology Gg-403 : b) Development of Modern Geography (Old)	Gg-103 : Environmental Geography
	c) Geography of Marketing (Old) d) Regional Geography of U.K .or Australia (Old)	
Thursday, 03/05/2012	Gg-303 : A) Regional Geography of India OR B)Regional Geography of U.S.A.	Gg-203 : (A) Disaster Management OR Gg-203 : (B) Geoinformatics II
Friday, 04/05/2012	Gg-404 : A) Geoinformatic - IV OR B) GIS & Remote Sensing	Gg-104 : (A) Social & Cultural Geography OR Gg-104 : (B) Geoinformatics-1
	Gg-404 : a) Geography of Watershed Management (Old)	
Saturday, 05/05/2012	Gg-304 : A) Geoinformatic III OR B) Watershed management and planning	Gg-204 : Geo-Statistical Methods
	Gg-304 : a) Hydrology (Old) c) Social and Cultural Geography (Old)	

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Dr. A.U. Borse Offg. Controller of Examinations

Jalgaon 425 001

Ref. No.NMU/7C/ M.Sc.Geo./ 1484 / 2012

Date: 21 /03 / 2012

Post Box No.80,



Circular No. - 50 of 2012

Programmes of M. Sc. (Biochemistry) Examination April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
- 2. Candidates are forbidden to take any study material in the Examination Hall
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- 4. Candidates are requested to take note of the exact date, day, time and places of every paper on every day.
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- 6 The written examination will be conducted in the following order



Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Friday, 27/04/2012	BC-401 : Microbial Biotechnoloty	BC-101: Enzymes and Enzyme Technology
Saturday, 28/04/2012	BC-301: Plant Biotechnology	BC-201 : Human Physiology & Biochemistry of Specialised Tissues
Monday, 30/04/2012	BC-402 : Genetic Engineering & rDNA Technology	BC-102 : Plant Biochemistry, Biostatistics & Bioinformatics
Wednesday, 02/05/2012	BC-302 : Molecular Biology	BC-202 : Analytical Biochemistry
Thursday, 03/05/2012	BC-403 : Biochemistry of Natural Products	BC-103 : Metabolism
Friday, 04/05/2012	BC-303: Environmental Toxicology	BC-203 : Immunology
Saturday, 05/05/2012	BC-404: Applied Biochemistry and Animal Tissue Culture	BC-104 : Microbial Physiology

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Ref. No.NMU7C/M.Sc.B.C/ 1487 / 2012

Date: 21/03/2012

Dr. A.U. Borse
Offg. Controller of Examinations



Circular No - 49 of 2012

Programmes of M. Sc. (Biotechnology) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
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Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Friday, 27/04/2012	BT-401 : Pharmaceutical Biotechnology and Bioinformatics	BT-101 : Microbial Diversity & Physiology
Saturday, 28/04/2012	BT-301 : Genetic Engineering	BT-201 : Advances in Molecular Biology
Monday, 30/04/2012	BT-402: Food Biotechnology	BT-102 : Macromolecules, Bioenergetics and Enzymology
Wednesday, 02/05/2012	BT-302 : Agricultural Biotechnology	BT-202 : Animal Cell Science and Technology
Thursday, 03/05/2012	BT-403 : Industrial Biotechnology	BT-103 : Biology of the immune system
Friday, 04/05/2012	BT-303: Environmental Biotechnology	BT-203: Process Biotechnology
Saturday, 05/05/2012	BT-404: Business Biotechnology	BT-104 : Analytical Techniques for Biotechnology

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Post Box No.80, Jalgaon 425 001

Ref. No.NMU/7C/M.Sc.BT./ 1486 /2012

Date: 21 /03 / 2012

Dr. A.U. Borse **Offg.Controllerof Examinations**



Circular No.- 43 of 2012

Programme of M. Sc. (BOTANY) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
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- 5. The list of Centers & Place of Examination will be notified separately.
- 6. The written examination will be conducted in the following order.



Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Wednesday, 25/04/2012	BOT-4.1 : Developmental Botany (New)	BOT-1.1: Plant Systematics-I Non Vascular Plants [Algae ,Fungi
	BOT-4.1 : Developmental Botany (Old-I St Chance)	& Bryophtes]
Thursday, 26/04/2012	BOT-3.1 : Genetics and Plant Breeding (New)	BOT 2.1 Systematic –II Vascular plants (Pteridophytes, Gymnosperms & Angiosperms) (New)
	BOT-3.1 : Biotechnology (Old-II nd Chance)	BOT-2.1 : Systematics-II-Algae, Fungi (Old-Last Chance)
Friday, 27/04/2012	BOT-4.21 : Algae Special Paper-II (New) BOT-4.22 : Mycology & Plant Pathology Special Paper-II (New) BOT-4.23 : Angiosperms Special Paper-II (New) BOT-4.24 : Plant Physiology Special Paper-II (New)	BOT-1.2: Techniques in Botony
	BOT-4.21 : Algae Special Paper-II BOT-4.22 : Mycology & Plant Pathology Special Paper-II BOT-4.23 : Angiosperms Special Paper-II BOT-4.24 : Plant Physiology Special Paper-II (Old-I St Chance)	



M. Sc. (BOTANY)

Sem. I, II, III & IV Examination, New/Old April-2012

	G 1 . 4 9	Aprii-2012
Day & Date	Subject &	Subject &
,	Time: 09.00 am to12.00 Noon	Time: 3.00 pm to 6.00 pm
Saturday,	BOT-3.2 : Environmental Botany and	BOT 2.2 Plant Biochemistry and Plant
28/04/2012	Biostatistics (New)	Physiology (New)
	BOT-3.2 : Plant Physiology &	BOT-2.2 : Systematics-III Archegoniatiac
	Biochemistry	& Paleobotany
	(Old-II nd Chance)	(Old-Last Chance)
Monday,	BOT-4.31 : Algae Special Paper-III (New)	BOT-1.3 Cell Biology and Molecular
30/04/2012	BOT-4.32 : Mycology & Plant	Biology
	Pathology Special Paper-III	
	(New)	
	BOT-4.33 : Angiosperms Special	
	Paper-III (New)	
	BOT-4.34 : Plant Physiology Special	
	Paper-III (New)	
	BOT-4.31 : Algae Special Paper-III	
	BOT-4.32 : Mycology & Plant	
	Pathology Special Paper-III	
	BOT-4.33 : Angiosperms Special	
	Paper-III	
	BOT-4.34 : Plant Physiology Special	
	Paper-III	
	(Old-I St Chance)	
Wednesday,	BOT-3.31 : Algae Special Paper-I (New)	BOT-2.3Plant Biotechnology
02/05/2012	BOT-3.32 : Mycology & Plant	&Bioinformatics (New)
	Pathology Special Paper-I	
	(New)	
	BOT-3.33:Angiosperms Taxonomy	
	Special Paper-I (New)	
	BOT-3.34 : Genetics and plant Breeding	
	Special Paper-I (New)	
	BOT-3.31 : Algae Special Paper-I	BOT-2.3: Botanical Techniques &
	BOT-3.32 : Mycology & Plant	Computer Application
	Pathology Special Paper-I	(Old-Last Chance)
	BOT-3.33 : Angiosperms Special Paper-I	
	BOT-3.34 : Plant Physiology Special	
	Paper-I(Old-II nd Chance)	

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Post Box No. 80 Jalgaon 425001

Ref.o. NMU/7C/M.Sc.Bot./ 1480 /2012

Date: 21/03 /2012

Dr. A.U. Borse offg. Controller of Examinations



Circular No.-53 of 2012

Programmes of M. Sc. Drug Chemistry Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
- 2. Candidates are forbidden to take any study material in the Examination Hall
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Day & Date	Subject &	Subject &
	Time: 09.00 am to12.00 Noon	Time: 3.00 pm to 6.00 pm
Wednesday,	DC-13: Drug Design	DC-1: Organic Reaction
25/04/2012		Mechanism
Thursday,	DC-9: Heterocyclic Chemistry	DC-5: Synthetic Method in
26/04/2012		Organic Chemistry
Friday,	DC-14: Chemotherapeutic	DC-2: Stereochemistry
27/04/2012	Agents	
Saturday,	DC-10: Drug Discovery and	DC-6 : Drug Chemistry -I
28/04/2012	Development	
Monday,	DC-15: Synthesis of	DC-3: Physical Methods in
30/04/2012	Drugs	Structure
		Determination
Wednesday,	DC-11: Medicinal Natural	DC-7: Advanced Analytical
02/05/2012	Product	Techniques
Thursday,		DC-4: Biochemistry
03/05/2012		
Friday,	DC-12: Immunology,	DC-8: Physical Pharmacy
04/05/2012	Microbiology	
	and Pharmacology	

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Post Box No.80, Jalgaon 425 001

Ref. No.NMU/7C/M.Sc..Drug./ 1490 / 2012

Date: 21 /03 / 2012

Dr. A.U. Borse Offg. Controller of Examinations



Circular No.- 48 of 2012

Programmes of M. Sc. (Microbiology) Examination, April, 2012

- 1. Candidates should be present at their respective place of examination fifteen minutes before the scheduled time of the examination.
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- 4. Candidates are requested to take note of the exact date, day, time and places of every paper on every day.
- 5. The list of Centers & Place of Examination will be notified separately.
- 6. The written examination will be conducted in the following order.



Day & Date	Subject & Time: 09.00 am to12.00 Noon	Subject & Time: 3.00 pm to 6.00 pm
Friday, 27/04/2012	MB-401 : Bioprocess Technology	MB-101 : Advances in Mycology, Phycology and Virology
Saturday, 28/04/2012	MB-301 :Immunalogy	MB-201 : Advanced Microbial Genetics
Monday, 30/04/2012	MB-402 Advances in Molecular Biology	MB-102 : Microbial Physiology and Metabolism
Wednesday, 02/05/2012	MB-302 :Molecular Biology	MB-202 : Advances in Enzymology
Thursday, 03/05/2012	MB-403: Genetic Engineering	MB-103 : Bioinstrumentation and Biometry A & B
Friday, 04/05/2012	MB-303 : Pharmaceutical Microbiology	MB-203 : Applied and Environmental Microbiology
Saturday, 05/05/2012	MB-404 : Plant Microbe Interactions	MB-104 : Extremophiles

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Ref. No.NMU /7C/ M.Sc.M.B / 1485 / 2012

Date: 21 /03 / 2012

Dr. A.U. Borse
Offg. Controller of Examinations