

**KUMAUN UNIVERSITY, NAINITAL**  
**Revised PROGRAMME FOR M.Sc./ M.Com. [I AND III**  
**SEMESTER]**  
**MAIN, BACK AND IMPROVEMENT EXAMINATION-2017**  
**Time : 09:00 AM - 12.00 NOON**

Date/Day & Semester	Subject	Paper Code & Paper Name
<b>19-12-2017</b> <b>(Tuesday)</b> <b>I</b> <b>SEMESTER</b>	Military Science	<b>(I) 3011-</b> Military History of India
	Statistics	<b>(I) 2911 / 5011 -</b> Probability theory
	Botany	<b>(I) 4111-</b> Microbiology (Bactetia, Viruses and Lichens)
	Chemistry	<b>(I) 4211-</b> Inorganic Chemistry-I
	Computer Sc.	<b>(I) 4311-</b> Advanced Computer System Architecture
	Forestry	<b>(I) 4411-</b> Physical Environment and Forest Ecosystems
	Information Technology	<b>(I) 4711-</b> Computer Fundamentals and Object Oriented Programming with C++
	Mathematics	<b>(I) 5311-</b> Real Analysis
	Physics	<b>(I) 4911-</b> Mathematical Methods
	Zoology	<b>(I) 5111-</b> Microbiology
	Commerce	<b>(I) 6111-</b> Business Management
<b>MSc III Sem</b>	Geology	<b>(IV) 4634 -</b> Micro Paleontology & Oceanography
<b>21-12-2017</b> <b>(Thursday)</b> <b>III</b> <b>SEMESTER</b>	Military Science	<b>(I) 3031-</b> Insurgency and Counter Insurgency
	Statistics	<b>(I) 2931 / 5031-</b> Multivariate Analysis
	Botany	<b>(I) 4131-</b> Plant Ecology
	Chemistry	<b>(I) 4231-</b> Solid State Chemistry
	Computer Science	<b>(I) 4331-</b> .Net Framework and C#
	Forestry	<b>(I) 4431-</b> Climate Change Remote Sensing and Geographical Information System
	Information Technology	<b>(I) 4731-</b> Software Engineering
	Mathematics	<b>(I) 5331-</b> Linear Algebra
	Physics	<b>(I) 4931-</b> Advanced Quantum Mechanics
	Zoology	<b>(I) 5131-</b> Chordata
Commerce	<b>(I) 6131-</b> Corporate Tax Planning	
<b>22-12-2017</b> <b>(Friday)</b> <b>III</b> <b>SEMESTER</b>	Geology	<b>(I) 4631-</b> Geodynamics
<b>23-12-2017</b> <b>(Saturday)</b> <b>I</b> <b>SEMESTER</b>	Military Science	<b>(II) 3012-</b> National Security of India
	Statistics	<b>(II) 2912 / 5012 -</b> Advanced analysis and matrix theory
	Botany	<b>(II) 4112-</b> Psychology
	Chemistry	<b>(II) 4212-</b> Organic Chemistry-I
	Computer Science	<b>(II) 4312-</b> Operating System
	Forestry	<b>(II) 4412-</b> Forest Biometry
	Information Technology	<b>(II) 4712-</b> Database Models

	Mathematics	(II) 5312- Topology
	Physics	(II) 4912- Classical Mechanics
	Zoology	(II) 5112- Non-Chordata
	Commerce	(II) 6112- Statistical Analysis
<b>27-12-2017 (Wednesday)</b>  <b>III SEMESTER</b>	Military Science	(II) 3032- Science Technology and Nation
	Statistics	(II) 2932 / 5032 - Bioinformatics
	Botany	(II) 4132- Cytogenetics and Plant Breeding
	Chemistry	(II) 4232-A/4232-B - Spectroscopy
	Computer Science	(II) 4332- Network Security and Cryptography
	Forestry	(II) 4432- Nursery Technology
	Information Technology	(II) 4732- Artificial Intelligence
	Mathematics	(II) 5332- Measure Theory and Integration
	Physics	(II) 4932- Nuclear Physics
	Zoology	(II) 5132- Animal Behavior
	Commerce	(II) 6132- Advance Cost Accounting
	<b>29-12-2017 (Friday)</b>  <b>I SEMESTER</b>	Military Science
Statistics		(III) 2913 / 5013 - Statistical methods
Botany		(III) 4113- Mycology
Chemistry		(III) 4213- Physical Chemistry
Computer Science		(III) 4313- Mathematical Foundation of Computer Science
Forestry		(III) 4413- Advances in Silviculture
Information Technology		(III) 4713- Computer Networks and Web Technology
Mathematics		(III) 5313- Differential Geometry and Tensor Calculus
Physics		(III) 4913- Quantum Mechanics
Zoology		(III) 5113- Ecology
Commerce		(III) 6113- Economic of Growth
<b>02-01-2018 (Tuesday)</b>  <b>III SEMESTER</b>		Military Science
	Statistics	(III) 2933 / 5033- Regression Analysis And Time Series
	Botany	(III) 4133- Plant Biotechnology
	Chemistry	(III) 4233- Chemistry for Biological System-III
	Computer Science	(III) 4333 A - Artificial Intelligence (III-I) (III) 4333 A- Fuzzy Logic & Design
	Forestry	(III) 4433- Management of Insect-Pest and Diseases
	Information Technology	(III) 4733- Programming in Java Basic
	Mathematics	(III) 5333- Numerical Analysis
	Physics	(III) 4933- Elementary Particle Physics
	Zoology	(III) 5133- Developmental Biology
	Commerce	(III) 6133- Financial Institutions & Markets
	<b>04-01-2018 (Thursday)</b>  <b>I SEMESTER</b>	Military Science
Botany		(IV) 4114- Bryology and Pteridology
Chemistry		(IV) 4214- Group Theory and Instrumentation Chemistry
Computer Science		(IV) 4314- Advanced Database Systems
Forestry		(IV) 4414- Agro-forestry Practices
Information		(IV) 4714- Discrete Mathematics

	Technology	
	Mathematics <b>(I&amp;III Semester)</b>	IV & V (i) <b>5351-</b> Mathematical Statistics
	Physics	<b>(IV) 4914-</b> General Theory of Relativity and Cosmology
	Zoology	<b>(IV) 5114-</b> Taxonomy and Evolutionary Biology
	Commerce	<b>(IV) 6114-</b> Business Environment
<b>06-01-2018</b> <b>(Saturday)</b>  <b>III</b> <b>SEMESTER</b>	Military Science	<b>(IV) 3034-</b> Politics and Security of Indian Ocean
	Botany	<b>(IV) 4134-</b> Plant Physiology and Biochemistry
	Chemistry	<b>(IV) 4234-</b> Inter Disciplinary Topics in Chemistry
	Computer Science	<b>(IV) 4334 (A) -</b> Data Mining & Work Housing age Processing <b>(IV) 4334 (B) -</b> Image Processing
	Forestry	<b>(IV) 4434 A -</b> Research Methodology <b>(IV) 4434 B -</b> Computer Application & I.T.
	Information Technology	<b>(IV) 4734-</b> Information Security <b>OR</b> <b>(IV) 4735-</b> Programming with Visual Basic .Net-I
	Mathematics <b>(I&amp;III Semester)</b>	IV & V (ii) <b>5352-</b> Theory of Numbers
	Physics	<b>(IV) 4934-</b> Condensed Matter Physics
	Zoology	<b>(IV) 5134-</b> Biotechnology
	Commerce	<b>(IV) 6134-</b> Research Methodology
<b>08-01-2018</b> <b>(Monday)</b>  <b>I</b> <b>SEMESTER</b>	Chemistry	<b>(V) 4215 A -</b> Biology for Chemist <b>(V) 4215 B -</b> Mathematics for Chemist (Only for Biology Student)
	Mathematics <b>(I&amp;III Semester)</b>	IV & V (iii) <b>5353-</b> Fluid Mechanics IV & V (viii) <b>5358-</b> Financial Mathematics
	Physics	<b>(V) 4915-</b> Communication Electronics
	Zoology	<b>(V) 5115-</b> Molecular Biology
<b>10-01-2018</b> <b>(Wednesday)</b>  <b>III</b> <b>SEMESTER</b>	Chemistry	<b>(V) 4235-</b> Photo Chemistry
	Forestry	<b>(V) 4435-</b> Energy Plantation and Bio-fuels
	Mathematics <b>(I&amp;III Semester)</b>	IV & V (iv) <b>5354-</b> Discrete Mathematics
	Physics	<b>(V) 4935-</b> Plasma Physics
	Zoology	<b>(V) 5135-</b> Instrumentation, Biostatistics and Computer Application
<b>11-01-2018</b> <b>(Thursday)</b>	Mathematics <b>(I&amp;III Semester)</b>	IV & V (vii) <b>5357-</b> Fourier Analysis
<b>12-01-2018</b> <b>(Friday)</b>	Mathematics <b>(I&amp;III Semester)</b>	IV & V (v) <b>5355-</b> Computer Programming and Mathematical Computation
<b>13-01-2018</b> <b>(Saturday)</b>	Mathematics <b>(I&amp;III Semester)</b>	IV & V (vi) <b>5356-</b> Special Functions

Note : No guarantee can be given to the candidates regarding the order of the question papers.

SP-1  
09/12/17

Place : Nainital  
Date : 09-12-2017

Controller of Examinations  
Kumaun University, Nainital