

**KUMAUN UNIVERSITY, NAINITAL**  
**Programme For M.Sc./ M.Com. [I and III Semester]**  
**MAIN, BACK AND IMPROVEMENT EXAMINATION-2018**

**Time : 09:00 AM - 12.00 NOON**


<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper Code &amp; Paper Name</b>
<b>16-11-2018 (Friday) I Semester</b>	Computer Sc.	<b>(I) 4311-</b> Advanced Computer System Architecture
	Military Science	<b>(I) 3011-</b> Military History of India
	Geology	<b>(I) 4611 -</b> Igneous Petrology
	Forestry	<b>(I) 4411-</b> Physical Environment & Forest Ecosystems
	Statistics	<b>(I) 2911 / 5011 -</b> Probability theory
	Information Technology	<b>(I) 4711-</b> Computer Fundamentals and Object Oriented Programming with C++
<b>19-11-2018 (Monday) III SEMESTER</b>	Computer Science	<b>(I) 4331-</b> .Net Framework and C#
	Military Science	<b>(I) 3031-</b> Insurgency and Counter Insurgency
	Geology	<b>(I) 4631-</b> Geodynamics
	Forestry	<b>(I) 4431-</b> Climate Change Remote Sensing and Geographical Information System
	Statistics	<b>(I) 2931 / 5031-</b> Multivariate Analysis
	Information Technology	<b>(I) 4731-</b> Software Engineering
<b>22-11-2018 (Thursday) I SEMESTER</b>	Computer Science	<b>(II) 4312-</b> Operating System
	Military Science	<b>(II) 3012-</b> National Security of India
	Geology	<b>(II) 4612 -</b> Metamorphic Petrology
	Forestry	<b>(II) 4412-</b> Forest Biometry and Biostatistics
	Information Technology	<b>(II) 4712-</b> Database Models
	Statistics	<b>(II) 2912 / 5012 -</b> Advanced analysis & matrix theory
<b>26-11-2018 (Monday) I SEMESTER</b>	Botany	<b>(I) 4111-</b> Microbiology (Bacteria, Viruses & Lichens)
	Chemistry	<b>(I) 4211-</b> Inorganic Chemistry-I
	Mathematics	<b>(I) 5311-</b> Real Analysis
	Physics	<b>(I) 4911-</b> Mathematical Methods
	Zoology	<b>(I) 5111-</b> Microbiology
	Commerce	<b>(I) 7311-</b> Business Management
<b>28-11-2018 (Wednesday) III SEMESTER</b>	Botany	<b>(I) 4131-</b> Plant Ecology
	Chemistry	<b>(I) 4231-</b> Solid State Chemistry - III
	Mathematics	<b>(I) 5331-</b> Linear Algebra
	Physics	<b>(I) 4931-</b> Advanced Quantum Mechanics
	Zoology	<b>(I) 5131-</b> Chordata
	Commerce	<b>(I) 7331-</b> Corporate Tax Planning
<b>30-11-2018 (Friday) I SEMESTER</b>	Botany	<b>(II) 4112-</b> Psychology
	Chemistry	<b>(II) 4212-</b> Organic Chemistry-I
	Mathematics	<b>(II) 5312-</b> Topology
	Physics	<b>(II) 4912-</b> Classical Mechanics
	Zoology	<b>(II) 5112-</b> Non-Chordata
	Commerce	<b>(II) 7312-</b> Statistical Analysis
	Military Science	<b>(II) 3032-</b> Science Technology and Nation
	Statistics	<b>(II) 2932 / 5032 -</b> Bioinformatics

<b>03-12-2018 (Monday) III SEMESTER</b>	Botany	<b>(II) 4132-</b> Cytogenetics and Plant Breeding
	Chemistry	<b>(II) 4232-A/4232-B -</b> Spectroscopy
	Computer Science	<b>(II) 4332-</b> Network Security and Cryptography
	Forestry	<b>(II) 4432-</b> Nursery Technology
	Geology	<b>(II) 4632 -</b> Remote Sensing and GIS
	Information Technology	<b>(II) 4732-</b> Artificial Intelligence
	Mathematics	<b>(II) 5332-</b> Measure Theory and Integration
	Physics	<b>(II) 4932-</b> Nuclear Physics
	Zoology	<b>(II) 5132-</b> Animal Behavior
	Commerce	<b>(II) 7332-</b> Advance Cost Accounting
<b>05-12-2018 (Wednesday) I SEMESTER</b>	Military Science	<b>(III) 3013-</b> Disaster Management Risk Reduction and National Security
	Statistics	<b>(III) 2913 / 5013 -</b> Statistical methods
	Botany	<b>(III) 4113-</b> Mycology
	Chemistry	<b>(III) 4213-</b> Physical Chemistry
	Computer Science	<b>(III) 4313-</b> Mathematical Foundation of Computer Science
	Forestry	<b>(III) 4413-</b> Advances in Silviculture
	Geology	<b>(III) 4613 -</b> Sedimentary Petrology
	Information Technology	<b>(III) 4713-</b> Computer Networks & Web Technology
	Mathematics	<b>(III) 5313-</b> Differential Geometry & Tensor Calculus
	Physics	<b>(III) 4913-</b> Quantum Mechanics
Zoology	<b>(III) 5113-</b> Ecology	
Commerce	<b>(III) 7313-</b> Economic of Growth	
<b>07-12-2018 (Friday) III SEMESTER</b>	Military Science	<b>(III) 3033-</b> Conflict and Peace Studies
	Statistics	<b>(III) 2933/5033-</b> Regression Analysis & Time Series
	Botany	<b>(III) 4133-</b> Plant Biotechnology
	Chemistry	<b>(III) 4233-</b> Chemistry for Biological System-III
	Computer Science	<b>(III) 4333 A -</b> Artificial Intelligence (III-I) <b>(III) 4333 B-</b> Fuzzy Logic & Design
	Forestry	<b>(III) 4433-</b> Management of Insect-Pest and Diseases
	Geology	<b>(III) 4633 -</b> Ground Water Hydrology
	Information Technology	<b>(III) 4733-</b> Programming in Java Basic
	Mathematics	<b>(III) 5333-</b> Numerical Analysis
	Physics	<b>(III) 4933-</b> Elementary Particle Physics
Zoology	<b>(III) 5133-</b> Developmental Biology	
Commerce	<b>(III) 7333-</b> Financial Institutions & Markets	
<b>10-12-2018 (Monday) I SEMESTER</b>	Military Science	<b>(IV) 3014-</b> International Law
	Botany	<b>(IV) 4114-</b> Bryology and Pteridology
	Chemistry	<b>(IV) 4214-</b> Group Theory & Instrumentation Chemistry
	Computer Science	<b>(IV) 4314-</b> Advanced Database Systems
	Forestry	<b>(IV) 4414-</b> Agro-forestry Practices
	Geology	<b>(IV) 4614 -</b> Structural Geology
	Information Technology	<b>(IV) 4714-</b> Discrete Mathematics
Mathematics	IV & V (i) <b>5351-</b> Mathematical Statistics	

	<b>(I&amp;III Semester)</b>	
	Physics	<b>(IV) 4914-</b> General Theory of Relativity and Cosmology
	Zoology	<b>(IV) 5114-</b> Taxonomy and Evolutionary Biology
	Commerce	<b>(IV) 7314-</b> Business Environment
<b>12-12-2018 (Wednesday)  III 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-III
	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.
	Geology	<b>(IV) 4634 -</b> Micro Paleontology & Oceanography
	Information Technology	<b>(IV) 4734-</b> Information Security
	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) 7334-</b> Research Methodology	
<b>14-12-2018 (Friday) I 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 Dynamics IV & V (viii) <b>5358-</b> Financial Mathematics
	Physics	<b>(V) 4915-</b> Communication Electronics
	Zoology	<b>(V) 5115-</b> Molecular Biology
<b>15-12-2018 (Saturday) III SEMESTER</b>	Chemistry	<b>(V) 4235-</b> Photo Chemistry and Alic 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 Computational Biology	
<b>17-12-2018 (Monday)</b>	Mathematics <b>(I&amp;III Semester)</b>	IV & V (vii) <b>5357-</b> Fourier Analysis
<b>18-12-2018 (Tuesday)</b>	Mathematics <b>(I&amp;III Semester)</b>	IV & V (v) <b>5355-</b> Computer Programming and Mathematical Computation
<b>19-12-2018 Wednesday</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.

Place : Nainital  
Date : 05-11-2018

  
Controller of Examinations  
Kumaun University, Nainital