

**KUMAUN UNIVERSITY, NAINITAL**  
**PROGRAMME FOR M.Sc./ M.Com. [I AND III SEMESTER]**  
**MAIN, BACK AND IMPROVEMENT EXAMINATION-2017**

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

<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper Code &amp; Paper Name</b>
<b>01-12-2017 (Friday) I SEMESTER</b>	Military Science	(I) 3011- Military History of India
	Statistics	(I) 2911 / 5011 - Probability theory
	Botany	(I) 4111- Microbiology (Bactetia, Viruses and Lichens)
	Chemistry	(I) 4211- Inorganic Chemistry
	Computer Sc.	(I) 4311- Advanced Computer System Architecture
	Forestry	(I) 4411- Physical Environment and Forest Ecosystems
	Geology	(I) 4611- Igneous Petrology
	Information Technology	(I) 4711- Computer Fundamentals and Object Oriented Programming with C++
	Mathematics	(I) 5311- Real Analysis
	Physics	(I) 4911- Mathematical Methods
	Zoology	(I) 5111- Microbiology
	Commerce	(I) 6111- Business Management
<b>04-12-2017 (Monday) III SEMESTER</b>	Military Science	(I) 3031- Insurgency and Counter Insurgency
	Statistics	(I) 2931 / 5031- Multivariate Analysis
	Botany	(I) 4131- Plant Ecology
	Chemistry	(I) 4231- Solid State Chemistry
	Computer Science	(I) 4331- .Net Framework and C#
	Forestry	(I) 4431- Climate Change Remote Sensing and Geographical Information System
	Geology	(I) 4631- Geodynamics
	Information Technology	(I) 4731- Software Engineering
	Mathematics	(I) 5331- Linear Algebra
	Physics	(I) 4931- Advanced Quantum Mechanics
	Zoology	(I) 5131- Chordata
	Commerce	(I) 6131- Corporate Tax Planning
<b>06-12-2017 (Wednesday) I SEMESTER</b>	Military Science	(II) 3012- National Security of India
	Statistics	(II) 2912 / 5012 - Advanced analysis and matrix theory
	Botany	(II) 4112- Phycology
	Chemistry	(II) 4212- Organic Chemistry
	Computer Science	(II) 4312- Operating System
	Forestry	(II) 4412- Forest Biometry
	Geology	(II) 4612- Metamorphic Petrology
	Information Technology	(II) 4712- Database Models
	Mathematics	(II) 5312- Topology
	Physics	(II) 4912- Classical Mechanics
	Zoology	(II) 5112- Non-Chordata
	Commerce	(II) 6112- Statistical Analysis

<b>08-12-2017 (Friday)</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
	Geology	(II) 4632- Remote Sensing & GIS
	Information Technology	(II) 4732- Artificial Intelligence
	Mathematics	(II) 5332- Measure Theory and Integration
	Physics	(II) 4932- Nuclear Physics
	Zoology	(II) 5132- Animal Behaviour
	Commerce	(II) 6132- Advance Cost Accounting
<b>11-12-2017 (Monday)</b>  <b>I SEMESTER</b>	Military Science	(III) 3013- Disaster Management Risk Reduction and National Security
	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
	Geology	(III) 4613- Sedimentology
	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>13-12-2017 (Wednesday)</b>  <b>III SEMESTER</b>	Military Science	(III) 3033- Conflict and Peace Studies
	Statistics	(III) 2933 / 5033- Regression Analysis And Time Series
	Botany	(III) 4133- Plant Biotechnology
	Chemistry	(III) 4233- Biological System
	Computer Science	(III) 4333 A - Artificial Intelligence (III-I) (III) 4333 B- Fuzzy Logic & Design
	Forestry	(III) 4433- Management of Insect-Pest and Diseases
	Geology	(III) 4633- Ground Water Hydrology
	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>16-12-2017 (Saturday)</b>  <b>I SEMESTER</b>	Military Science	(IV) 3014- International Law
	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
	Geology	(IV) 4614- Structural Geology

	Information Technology	(IV) 4714- Discrete Mathematics
	Mathematics (I&III Semester)	IV & V (i) 5351- Mathematical Statistics IV & V (vii) 5357- Fourier Analysis
	Physics	(IV) 4914- General Theory of Relativity and Cosmology
	Zoology	(IV) 5114- Taxonomy and Evolutionary Biology
	Commerce	(IV) 6114- Business Environment
<b>19-12-2017</b> (Wednesday)  <b>III SEMESTER</b>	Military Science	(IV) 3034- Politics and Security of Indian Ocean
	Botany	(IV) 4134- Plant Physiology and Biochemistry
	Chemistry	(IV) 4234- Inter Disciplinary Topics in Chemistry
	Computer Science	(IV) 4334 (A) - Data Mining & Work Housing age Processing (IV) 4334 (B) - Image Processing
	Forestry	(IV) 4434 A - Research Methodology (IV) 4434 B - Computer Application & I.T.
	Geology	(IV) 4634- Micro Paleontology & Oceanography
	Information Technology	(IV) 4734- Information Security <b>OR</b> (IV) 4735- Programming with Visual Basic .Net-I
	Mathematics (I&III Semester)	IV & V (ii) 5352- Theory of Numbers IV & V (v) 5355-Computer Programming and Mathematical Computation
	Physics	(IV) 4934- Condensed Matter Physics
	Zoology	(IV) 5134- Biotechnology
	Commerce	(IV) 6134- Research Methodology
	<b>21-12-2017</b> (Thursday)  <b>I SEMESTER</b>	Chemistry
Mathematics (I&III Semester)		IV & V (iii) 5353- Fluid Mechanics IV & V (viii) 5358- Financial Mathematics
Physics		(V) 4915- Communication Electronics
Zoology		(V) 5115- Molecular Biology
<b>23-12-2017</b> (Saturday)  <b>III SEMESTER</b>	Chemistry	(V) 4235- Photo Chemistry
	Forestry	(V) 4435- Energy Plantation and Bio-fuels
	Mathematics (I&III Semester)	IV & V (iv) 5354- Discrete Mathematics IV & V (vi) 5356- Special Functions
	Physics	(V) 4935- Plasma Physics
	Zoology	(V) 5135- Instrumentation, Biostatistics and Computer Application

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

Place : Nainital  
Date : 09-11-2017

  
Controller of Examinations  
Kumaun University, Nainital