

KUMAUN UNIVERSITY, NAINITAL
Programme For M.Sc./ M.Com. [I and III Semester]

FIRST SEMESTER [CBCS PATTERN & OLD PATTERN]

&

THIRD SEMESTER [OLD PATTERN]

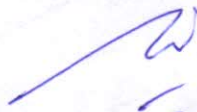
MAIN, BACK AND IMPROVEMENT EXAMINATION-2021

Time : 09:00 AM - 11.00 AM


Date/Day & Semester	Subject	Paper Code & Paper Name
12-04-2021 (Monday) I Semester	Botany	8511 - Microbiology (CBCS) 4111- Microbiology (Bactetia, Viruses & Lichens) [Old Pattern]
	Chemistry	8311/4211 - Inorganic Chemistry-I (CBSC & Old Pattern)
	Computer Sc.	8911- Operating System Concepts & Administration (CBCS) 4311(O)- Operating System [Old Pattern]
	Forestry	8811- Forest Ecology (CBCS) 4411- Physical Environment & Forest Ecosystems [Old Pattern]
	Geology	8711- Igneous Petrology (CBCS) 4611 - Igneous Petrology [Old Pattern]
	Information Tech	9311- Computer Fundamentals & Object Oriented Programming With C++ (CBCS) 4711- Computer Fundamentals and Object Oriented Programming with C++ [Old Pattern]
	Mathematics (MA/MSc.)	6611 - Real Analysis (CBCS) 5311- Real Analysis [Old Pattern]
	Physics	8211- Mathematical Physics-I (CBCS) 4911- Mathematical Methods [Old Pattern]
	Statistics	8611- Advanced Analysis (CBCS) 2911 / 5011 - Probability theory [Old Pattern]
	Zoology	8411- Microbiology (CBCS) 5111- Microbiology [Old Pattern]
	Commerce	6211- Business Management (CBCS) 7311- Business Management [Old Pattern]
16-04-2021 (Friday) III Semester	Botany	(I) 4131- Plant Ecology
	Chemistry	(I) 4231- Solid State Chemistry
	Computer Science	(I) 4331- .Net Framework and C# (I) 4331 (i)(O)- .Net Framework (Old Syllabus)
	Forestry	(I) 4431- Climate Change Remote Sensing and Geographical Information System
	Geology	(I) 4631- Geodynamics
	Information Tech	(I) 4731- Software Engineering

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	Mathematics	(I) 5331- Linear Algebra
	Military Science	(I) 3031- Insurgency and Counter Insurgency
	Physics	(I) 4931- Advanced Quantum Mechanics
	Statistics	(I) 2931 / 5031- Multivariate Analysis
	Zoology	(I) 5131- Chordata
	Commerce	(I) 7331- Corporate Tax Planning
19-04-2021 (Monday) I Semester	Botany	8512 - Phycology (CBCS) 4112- Psychology [Old Pattern]
	Chemistry	8312/4212 - Organic Chemistry-I (CBSC & Old Pattern)
	Computer Sc.	8912 - Theoretical Foundation of Computing (CBCS) 4312 (O)- Discrete Mathematics [Old Pattern]
	Forestry	8812- Forest Mensuration & Biostatistics (CBCS) 4412- Forest Biometry and Biostatistics [Old Pattern]
	Geology	8712- Metamorphic Petrology [CBCS] 4612 - Metamorphic Petrology [Old Pattern]
	Information Tech	9312- Database Models (CBCS) 4712- Database Models [Old Pattern]
	Mathematics (MA/M.Sc.)	6612- Topology (CBCS) 5312- Topology [Old Pattern]
	Physics	8212 - Classical Mechanics (CBCS) 4912- Classical Mechanics [Old Pattern]
	Statistics	8612 - Matrix Theory and Non Parametric Inference (CBCS) 2912/5012 - Advanced Analysis & Matrix Theory [Old Pattern]
	Zoology	8412 - Non-Chordata (CBCS) 5112- Non-Chordata [Old Pattern]
	Commerce	6212- Statistical Analysis (CBCS) 7312- Statistical Analysis [Old Pattern]
22-04-2021 (Thursday) III Semester	Botany	(II) 4132- Cytogenetics and Plant Breeding
	Chemistry	(II) 4232-A/4232-B - Spectroscopy Techniques
	Computer Science	(II) 4332- Network Security and Cryptography (II) 4332(O)- Network Security and Cryptography (Old Syllabus)
	Forestry	(II) 4432- Nursery Technology
	Geology	4632 - Remote Sensing and GIS
	Information Tech	(II) 4732- Artificial Intelligence
	Mathematics	(II) 5332- Measure Theory
	Military Science	(II) 3032- Science Technology and Nation Security
	Physics	(II) 4932- Nuclear Physics
	Statistics	(II) 2932 / 5032 - Bioinformatics
	Zoology	(II) 5132- Animal Behavior
Commerce	(II) 7332- Advance Cost Accounting	
24-04-2021 (Saturday) I Semester	Botany	8513 - Mycology 4113- Mycology [Old Pattern]
	Chemistry	8313/4213 - Physical Chemistry-I (CBSC & Old Pattern)
	Computer Sc.	8913- Advanced Computer Network (CBCS) 4313- Theory of Computetion [Old Pattern]
	Forestry	8813 - Advances in Silviculture (CBCS)


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	Geology	8713- Sedimentology (CBCS) 4613 - Sedimentology [Old Pattern]
	Information Tech	9313 - Computer Network & Web Technologies (CBCS) 4713- Computer Networks & Web Technologies [Old Pattern]
	Mathematics (MA/M.Sc.)	6613 - Differential Geometry (CBCS) 5313- Differential Geometry & Tensor Calculus [Old Pattern]
	Physics	8213- Quantum Mechanics (CBCS) 4913- Quantum Mechanics [Old Pattern]
	Statistics	8613- Probability Theory (CBCS) 2913 / 5013 - Statistical Methods [Old Pattern]
	Zoology	8413 - Taxonomy and Evolutionary Biology (CBCS) 5113- Ecology [Old Pattern]
	Commerce	6213 - Economic Growth (CBCS) 7313- Economic of Growth [Old Pattern]
27-04-2021 (Tuesday) III Semester	Botany	(III) 4133- Plant Biotechnology
	Chemistry	(III) 4233- Biological System
	Computer Science	(III) 4333 A - Artificial Intelligence (III-I) (III) 4333A (O) - Artificial Intelligence (Old Syllabus)
	Forestry	(III) 4433- Management of Insect-Pest and Diseases
	Geology	(III) 4633 - Ground Water Hydrology
	Information Tech	(III) 4733- Programming in Java (Basic)
	Mathematics	(III) 5333- Numerical Analysis
	Military Science	(III) 3033- Conflict and Peace Studies
	Physics	(III) 4933- Elementary Particle Physics
	Statistics	(III) 2933/5033- Regression Analysis & Time Series
	Commerce	(III) 7333- Financial Institutions & Markets
29-04-2021 (Thursday) I Semester	Botany	8514 - Bryophyta and Pteridophyta 4114- Bryology and Pteridology [Old Pattern]
	Chemistry	8314/4214 - Group Theory and Instrumentation Chemistry-I (CBCS & Old Pattern)
	Computer Sc.	8914 - Advanced Database Management Systems (CBCS) 4314- Advanced Database Management Systems [Old Pattern]
	Forestry	8814 - Agroforestry Principles and Systems (CBCS) 4414- Agro-forestry Practices [Old Pattern]
	Geology	8714 - Structural Geology (CBCS) 4614 - Structural Geology [Old Pattern]
	Information Tech	9314 - Discrete Mathematics (CBCS) 4714- Discrete Mathematics [Old Pattern]
	Mathematics (MA/M.Sc.)	6614 - Numerical Analysis (CBCS) 5351 III & IV (O) - Mathematical Statistics [Old Pattern]
	Physics	8214 - Statistical Physics (CBCS) 4914- General Theory of Relativity and Cosmology [Old Pattern]
	Statistics	8614- Statistical Methods (CBCS)
	Zoology	8414- Molecular Biology (CBCS) 5114- Taxonomy and Evolutionary Biology [Old Pattern]
	Commerce	6214- Business Environment (CBCS) 7314- Business Environment [Old Pattern]


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01-05-2021 (Saturday) III Semester	Botany	(IV) 4134- Plant Physiology and Biochemistry
	Chemistry	(IV) 4234- Inter Disciplinary Topics in Chemistry
	Computer Science	(IV) 4334 (i) - Digital Image Processing (New Syllabus) (IV) 4334 (ii) - Web Technology (New Syllabus) (IV) 4334 (A) - Data Mining & Work Housing (Old Syllabus) (IV) 4334 (B) - Image Processing (Old Syllabus)
	Forestry	(IV) 4434 A - Research Methodology (IV) 4434 B - Computer Application & I.T.
	Geology	(IV) 4634 - Micro Paleontology & Oceanography
	Information Tech	(IV) 4734- Information Security
	Mathematics (I&III Semester)	[IV & V (ii)] 5352- Theory of Numbers
	Military Science	(IV) 3034- Politics and Security of Indian Ocean
	Physics	(IV) 4934- Condensed Matter Physics
	Zoology	(IV) 5134- Biotechnology
Commerce	(IV) 7334- Research Methodology	
04-05-2021 (Tuesday) I Semester	Chemistry	8315/4215(A) - Biology for Chemist (For Mathematics Student) (CBCS & Old Pattern) 8317/4215(B) - Mathematics for Chemist (For Biology Student) (CBCS & Old Pattern)
	Mathematics (MA/M.Sc.)	6615- Fluid Mechanics [CBCS] IV & V (i) 5351- Mathematical Statistics <u>[I & III Sem.]</u>
	Physics	8215 - Atomic & Molecular Physics [CBCS] (V) 4915- Communication Electronics [Old Pattern]
	Zoology	(V) 5115- Molecular Biology [Old Pattern]
06-05-2021 (Thursday) III Semester	Chemistry	(V) 4235- Photo Chemistry [Old Pattern]
	Mathematics (I& III Semester)	IV & V (iv) 5354- Discrete Mathematics
	Physics	(V) 4935- Plasma Physics
	Zoology	(V) 5135- Bioinstrumentation, Biostatistics and Computational Biology
08-05-2021 (Saturday) I&III Semester	Mathematics (I&III Semester)	IV & V (vii) 5357- Fourier Analysis
10-05-2021 (Monday) I&III Semester	Mathematics (I&III Semester)	IV & V (v) 5355-Computer Programming and Mathematical Computation
12-05-2021 (Wednesday) I&III Semester	Mathematics (I&III Semester)	IV & V (vi) 5356- Special Functions

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

Place : Nainital
Date : 26-03-2021

Controller of Examinations
Kumaun University, Nainital

26-03-2021