

# KUMAUN UNIVERSITY, NAINITAL

## PROGRAMME FOR M.A. / M.Sc. and M.Com.

### [ I AND III SEMESTER ] EXAMINATION 2016

Time : 09:00 AM - 12.00 AM

Date/Day & Semester	Subject	Paper	Paper Code & Paper Name
20-12-2016 (Tuesday)  I Semester	Drawing & Painting	I	1111- History of Indian Painting
	Education	I	1311- Philosophical Foundations of Education
Date/Day & Semester	Subject	Paper	Paper Code & Paper Name
21-12-2016 (wednesday)  III SEMESTER	Drawing & Painting	I	1131- History of European Painting
	Economics	I	1231- Advanced Macroeconomics I
	Education	I	1331- Sociological Foundations of Education
	English	I	1431- Literary Criticism and Theory till 19th Century
	Geography	I	1531- Environmental Management & Sustainable Development
	Hindi	I	1631- आधुनिक हिंदी काव्य (छायावादोत्तर)
	Home Science	I	2031- Human Nutrition and Diet therapy
	Music	I	2231- Applied Theory of Music (Tabla) 2431- Applied Theory of Music (Vocal)
	Political Science	I	2531- Indian Political Thought
	Psychology	I	2631- Psychology of Personality
	Sanskrit	I	2731- व्याकरण
	Sociology	I	2831- Theoretical Perspective in Sociology
	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- Seed Science	

	Geology	I	4631- Economic Geology
	Information Technology	I	4731- Java Programming - I
	Physics	I	4931- Advanced Quantum Mechanics
	Zoology	I	5131- Chordata
	Commerce	I	6131- Corporate Tax Planning
<b>-Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>
<b>22-12-2016 (Thursday)  I SEMESTER</b>	Drawing & Painting	II	1112- Indian Art Aesthetics
	Economics	I	1211- Advanced Micro Economics I
	Education	II	1312- Psychological Foundations of Education
	English	I	1411- Poetry till 1798
	Geography	I	1511- Advanced Physical Geography
	Hindi	I	1611- आदिकालीन एवं निर्गुण काव्य
	Home Science	I	2011- Family Economics
	Music	I	2211- Applied Theory of Music (Tabla) 2411- Applied Theory of Music (Vocal) 2311- Applied Theory of Music (Sitar)
	Political Science	I	2511- Western Political Thought (Form Plato to Bodin)
	Psychology	I	2611- Psychology of Cognitive and Affective Processes
	Sanskrit	I	2711- वेद एवं वैदिक साहित्य का इतिहास
	Sociology	I	2811- Classical Sociological Thinkers
	Music (Sitar)	I	2311-
	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 Science	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++	
Physics	I	4911- Mathematical Methods	

	Zoology	I	5111- Microbiology
	Commerce	I	6111- Business Management
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>
<b>23-12-2016 (Friday)</b>	Drawing & Painting	II	1132- Aesthetics (Western)
	Economics	II	1232- International Economics I
	Education	II	1332- Teachers Education
	English	II	1432- 20th Century Non – Fictional Prose
	Geography	II	1532- Agricultural Geography & Agro-ecosystem Management
	Hindi	II	1632- भाषा विज्ञान
	Home Science	II	2032- Communication Process
	Music	II	2232- General Theory of Music (Tabla) 2432- General Theory of Music (Vocal)
	Political Science	II	2532- Indian Administration
	Psychology	II	2632- Psychology of Guidance & Counselling
	Sanskrit	II	2732- गद्य एवं ऐतिहासिक काव्य
	Sociology	II	2832- Sociology of Development : Concept and Theories
	Military Science	II	3032- Science Technology and Nation
	Statistics	II	2932 / 5032 - Bioinformatics
	Botany	II	4132- Cytogenetics and Plant Breeding
	Chemistry	II	4232- Spectroscopy
	Computer Science	II	4332- Network Security and Cryptography
	Forestry	II	4432- Nursery Technology & Wood Management
	Geology	II	4632- Mineral Exploration and Mineral Economics
	Information Technology	II	4732- Database Models
Physics	II	4932- Nuclear Physics	
Zoology	II	5132- Animal Behaviour	
Commerce	II	6132- Advance Cost Accounting	
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>
	Economics	II	1212- Quantitative Methods in Economics I
	English	II	1412- English Drama before 20 <sup>th</sup> Century

<b>24-12-2016 (Saturday)</b>  <b>I Semester</b>	Geography	II	1512- Natural Resource Management
	Hindi	II	1612- सगुण काव्य एवं रीतिकालीन काव्य
	Home Science	II	2012- Research Methods and Statistics
	Music	II	2212- General Theory of Music (Tabla) 2412- General Theory of Music (Vocal) 2312- General Theory of Music (Sitar)
	Political Science	II	2512- Comparative Politics
	Psychology	II	2612- Contemporary Issues of Social Psychology
	Sanskrit	II	2712- व्याकरण एवं पाली
	Sociology	II	2812- Methods in Social Research
	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
	Physics	II	4912- Classical Mechanics
	Zoology	II	5112- Non-Chordata
Commerce	II	6112- Statistical Analysis	
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>
<b>26-12-2016 (Monday)</b>  <b>III SEMESTER</b>	Economics	III	1233- Economics of Growth & Development I
	English	III	1433- Indian Literature in English-A
	Geography	III	1533- Rural Development Planning
	Hindi	III	1633- निबंध एवं स्मारक साहित्य
	Home Science	III	2033- Apparel Designing
	Political Science	III	2533- Political Ideology
	Psychology	III	2633- Psychopathology-I
	Sanskrit	III	2733- नाट्यशास्त्र
	Sociology	III	2833- Studies of Tribes and Weaker Sections

	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- Bio-inorganic and Bio-physical Chemistry
	Computer Science	III	4333- Artificial Intelligence (III{i})
	Forestry	III	4433- Nutrient Management
	Geology	III	4633- Remote Sensing and GIS Application
	Information Technology	III	4733- Software Engineer-I
	Physics	III	4933- Elementry Particle Physics
	Zoology	III	5133- Developmental Biology
	Commerce	III	6133- Financial Institutions & Markets
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>
<b>27-12-2016 (Tuesday)</b>	Economics	III	1213- Public Finance I
	English	III	1413- English Fiction before 20 <sup>th</sup> Century
	Geography	III	1513- Advanced Geography of India
	Hindi	III	1613- भारतीय काव्यशास्त्र
	Home Science	III	2013- Advanced Clothing and Textile
	Political Science	III	2513- Public Administration
	Psychology	III	2613- Fundamental of Statistics
	Sanskrit	III	2713- सांख्य एवं न्याय
	Sociology	III	2813- Rural Sociology
	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
<b>I SEMESTER</b>			

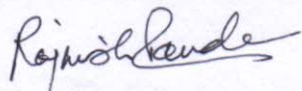
	Physics	III	4913- Quantum Mechanics	
	Zoology	III	5113- Ecology	
	Commerce	III	6113- Economic of Growth	
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>	
<b>28-12-2016 (Wednesday)</b>	Economics	IV (i)	1281- Research Methodology and Essay	<u>OR</u>
		IV (iii)	1283- Agricultural Economics-I	<u>OR</u>
		IV (iv)	1284- Labour Economics	<u>OR</u>
		IV (vii)	1287- Advanced Statistics	<u>OR</u>
		IV(viii)	1288- Demography	<u>OR</u>
		IV(ix)	1289- Industrial Economics	<u>OR</u>
		IV(xv)	1295- History of Economic Analysis	
	English	IV (i)	1481- American Literature –A	<u>OR</u>
		IV (ii)	1482- Indian Literature in Translation-A	<u>OR</u>
		IV (iii)	1483- Linguistics-A	
	Geography	IV (i)	1534- Climatology & Climate Change Impacts & Adaptation	<u>OR</u>
		IV (ii)	1535- Social & Cultural Geography	<u>OR</u>
		IV (iii)	1536- Glacial geomorphology	
	Hindi	IV(i)	1634- हिंदी भाषा	अथवा
		IV(ii)	1635- कुमाउनी भाषा	
	Home Science	IV	2034- Life Span Development	
	Political Science	IV(i)	2534- India in World Affairs	<u>OR</u>
		IV(ii)	2535- Political Sociology	<u>OR</u>
		IV(iii)	2536- Local Self Government	<u>OR</u>
	Psychology	IV	2634- Fundamental of Clinical Psychology	
Sanskrit	IV	2735- काव्यशास्त्र		
Sociology	IV	2834- Criminology		
Military Science	IV	3034- Politics and Security of Indian Ocean		
Botany	IV	4134- Plant Physiology and Biochemistry		
Chemistry	IV	4234- Bio-organic Chemistry		
Computer Science	IV	4334- Image Processing		
Forestry	IV	4434- Management of Insect-pest and Diseases		
Geology	IV	4634- Micro-Paleontology and Oceanography		
Information Technology	IV	4734- Artificial Intelligence-I	<u>OR</u>	
	IV	4735- Programming with Visual Basic .Net-I		
Physics	IV	4934- Condensed Matter Physics		

	Zoology	IV	5134- Biotechnology	
	Commerce	IV	6134- Research Methodology	
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>	
<b>29-12-2016 (Thursday)</b>	Economics	IV	1214- Indian Economic Development & Policy I	
	English	IV	1414- 19 <sup>th</sup> Century English Poetry	
	Geography	IV (i) IV (ii) IV (iii)	1514- Soil Geography 1515- Geography of Tourism 1516- Mountain Geography with special reference to the Indian Himalaya	<b>OR</b> <b>OR</b>
	Hindi	IV	1614- हिंदी साहित्य का इतिहास: आदिकाल से रीतिकाल तक	
	Home Science	IV	2014- Food Science	
	Political Science	IV	2514- Indian Political System	
	Psychology	IV	2614- Research Methodology - I	
	Sanskrit	IV	2714- नाटक एवं संस्कृत साहित्य का इतिहास	
	Sociology	IV	2814- Urban Sociology	
	Military Science	IV	3014- International Law	
	Botany	IV	4114- Bryology and Pteridology	
	Chemistry	IV	4214- Ground 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	
	Physics	IV	4914- Statistical Physics	
	Zoology	IV	5114- Taxonomy and Evolutionary Biology	
Commerce	IV	6114- Business Environment		
<b>Date/Day &amp; Semester</b>	<b>Subject</b>	<b>Paper</b>	<b>Paper Code &amp; Paper Name</b>	
<b>30-12-2016 (Friday)</b>	Chemistry	V	4235- Photo Chemistry and Allied Chemistry	
	Forestry	V	4435- Energy Plantation and Bio-fuels	
	Physics	V	4935- Plasma Physics	
	Zoology	V	5135- Instrumentation, Biostatistics and Computer Application	

Date/Day & Semester	Subject	Paper	Paper Code & Paper Name
31-12-2016 (Saturday)  I SEMESTER	Chemistry	V	4215- Computer & Data Analysis for Chemists
	Physics	V	4915- Communication Electronics
	Zoology	V	5115- Molecular Biology

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

Place : Nainital  
Date : 01-12-2016

  
Controller of Examinations  
Kumaun University, Nainital