



कुमाऊँ विश्वविद्यालय, नैनीताल (उत्तराखण्ड)  
KUMAUN UNIVERSITY, NAINITAL (UTTARAKHAND)

**Programme of M.A. First Semester Examination - 2012**

Time (09:00 AM to 12:00 Noon)

| Day & Date           | Subject                | Paper | Title  |
|----------------------|------------------------|-------|--|
| 07-01-2013<br>Monday | 1. Drawing & Painting  | I     | History of Art Western and Chinese   |
|                      | 2. Economics           | I     | Advanced Micro Economics I   |
|                      | 3. English             | I     | Poetry till 1798.  |
|                      | 4. Education           | I     | Philosophical Foundations of Education   |
|                      | 5. Geography           | I     | Physical Advances in Geography   |
|                      | 6. Hindi               | I     | आदिकालीन एवं निर्गुण काव्य   |
|                      | 7. Home Science        | I     | Family Economics   |
|                      | 8. Mathematics         | I     | Advanced Analysis-I  |
|                      | 9. Music (Vocal/Tabla) | I     | Applied Theory of Music  |
|                      | 10. Political Science  | I     | Western Political Thought (Form Plato to Bodin)  |
|                      | 11. Psychology         | I     | Psychology of Cognitive and Affective Processes  |
|                      | 12. Sanskrit           | I     | वेद एवं वैदिक साहित्य का इतिहास  |
|                      | 13. Sociology          | I     | Classical Sociological Thinkers  |
|                      | 14. History            | XIV   | World History (1453-1648)<br>Compulsory For Ancient and Medieval & Mordern History Group and Optional Paper for Archaeology Group<br>(Optional Paper for Third Semester, Archaeology Group also) |
| 11-01-2013<br>Friday | 1. Drawing & Painting  | II    | Aesthetics   |
|                      | 2. Economics           | II    | Quantitive Methods in Economics I  |
|                      | 3. English             | II    | English Drama before 20 <sup>th</sup> Century  |
|                      | 4. Education           | II    | Psychological Foundation of Education  |
|                      | 5. Geography           | II    | Natural resource Management  |
|                      | 6. Hindi               | II    | सगुण काव्य एवं रीतिकालीन काव्य   |
|                      | 7. Home Science        | II    | Research Methods and Statistics  |
|                      | 8. Mathematics         | II    | Differential Geometry and Modern Algebra-I   |
|                      | 9. Music (Vocal/Tabla) | II    | General Theory of Music (Vocal/Tabla)  |
|                      | 10. Political Science  | II    | Comparative Politics   |
|                      | 11. Psychology         | II    | Conceptual Issues of Social Psychology   |
|                      | 12. Sanskrit           | II    | व्याकरण एवं पाली   |
|                      | 13. Sociology          | II    | Methods in Social Research   |
|                      | 14. History            | XIV   | Historiography (Concepts and Approaches)<br>Compulsory For Ancient and Medieval & Mordern History Group and Optional Paper for Archaeology Group First & Third Semester                          |

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| Day & Date             | Subject  | Paper  | Title  |
|------------------------|--|--------|--|
| 15-01-2013<br>Tuesday  | 1. Economics   | III    | Public Finance I   |
|                        | 2. English   | III    | English Fiction before 20 <sup>th</sup> Century  |
|                        | 3. Geography   | III    | Advanced Geography of India  |
|                        | 4. Hindi   | III    | भारतीय काव्य शास्त्र   |
|                        | 5. Home Science  | III    | Advanced Clothing and Textile Science  |
|                        | 6. Mathematics   | III    | Fluid Dynamics-I   |
|                        | 7. Political Science   | III    | Public Administration  |
|                        | 8. Psychology  | III    | Fundamental Statistics   |
|                        | 9. Sanskrit  | III    | सांख्य एवं न्याय   |
|                        | 10. Sociology  | III    | Rural Sociology  |
|                        | 11. History  | II     | Political History of India (620 BC to 320 AD) Ancient Group & Third Semester Archeology Group            |
|                        |  | XVIII  | Political History of Delhi Sultanat (1206 to 1526) Medieval and Mordern History Group                    |
|                        |  | XI     | Archealogy of Uttarakhand Numismatics and Copper Inscription   |
| 19-01-2013<br>Saturday | 1. Economics   | IV     | Indian Economic Development & Policy I   |
|                        | 2. English   | IV     | 19 <sup>th</sup> Century English Poetry  |
|                        | 3. Geography   | IV     | Soil Geography 'or' Geography of Tourism 'or' Mountaion Geograpy with Special reference to the Himalaya. |
|                        | 4. Hindi   | IV     | हिन्दी साहित्य का इतिहास : आदिकाल से रीतिकाल तक  |
|                        | 5. Home Science  | IV     | Food Science   |
|                        | 6. Mathematics   | IV     | Tensor Calculus & Dynamics of Rigid Bodies-I   |
|                        | 7. Political Science   | IV     | Indian Political System  |
|                        | 8. Psychology  | IV     | Foundations of Research  |
|                        | 9. Sanskrit  | IV     | नाटक साहित्य एवं संस्कृत साहित्य का इतिहास   |
|                        | 10. Sociology  | IV     | Urban Sociology  |
|                        | 11. History  | XXVIII | Political History of India (700AD-1200AD)  |
|                        | Ancient Group All Optional Papers for First & Third Semester | X      | Economic & Social History of India (700AD-1200AD)  |
|                        |  | IV     | Art of Anciant India   |
|                        |  | X      | Architecture of Ancient India  |
|                        |  | III    | Cultural History of Ancient India : Pre-Buddhis Period   |
|                        |  | IX     | Cultural History of Ancient India : Post-Buddhist Period   |

| <b>Day &amp; Date</b>   | <b>Subject</b>  | <b>Paper</b> | <b>Title</b>   |
|-------------------------|---|--------------|--|
| 19-01-2013<br>Saturday  | 12. <b>Medieval &amp; Modern Indian History Group</b> | XVIII        | Political History of the Mughals (1526-1707)                   |
|                         |   | XXXVI        | Society and Cultural of Modern India                           |
|                         |   | IV           | Political and Cultural History of Uttrakhand                   |
|                         |   | XIX          | Cultural History of Medieval Inida : Sultanate Period          |
|                         |   | XXIII        | Cultural History of Medieval Inida : Mughal Period             |
|                         |   | XXII         | Economic and Social History of the Mughals(1526-1707)          |
|                         |   | XXXV         | Economic History of Modern India (1707-1857)                   |
| 23-01-2013<br>Wednesday | 13. <b>Archaeology Group</b>                          | XII          | Field Archaeology  |
| 25-01-2013<br>Friday    | 14. <b>Archaeology Group</b>                          | XIII         | Early Archeological Cultures of India: Pre Hadappan & Harappan |

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Programme of M.A. Third Semester Examination - 2012

Time (09:00 AM to 12:00 Noon)

| Day & Date              | Subject                | Paper                          | Title  |
|-------------------------|------------------------|--------------------------------|--|
| 09-01-2013<br>Wednesday | 1. Drawing & Painting  | I                              | Study of Modern Indian Painting  |
|                         | 2. Economics           | I                              | Advanced Macro Economics I   |
|                         | 3. English             | I                              | Literary Criticism & Theory till 19th Century  |
|                         | 4. Education           | I                              | Sociological Foundations of Education  |
|                         | 5. Geography           | I                              | Environmental Planning & Sustainable Development   |
|                         | 6. Hindi               | I                              | आधुनिक हिन्दी काव्य (छायावादोत्तर)   |
|                         | 7. Home Science        | I                              | Human Nutrition and Diet Therapy   |
|                         | 8. Mathematics         | I                              | Linear Algebra and Complex Analysis-I  |
|                         | 9. Music (Vocal/Tabla) | I                              | Applied Theory of Music (Vocal/Tabla)  |
|                         | 10. Political Science  | I                              | Indian Political Thoughts  |
|                         | 11. Psychology         | I                              | Psychology of Personality  |
|                         | 12. Sanskrit           | I                              | व्याकरण  |
|                         | 13. Sociology          | I                              | Theoretical Perspective in Sociology   |
|                         | 14. History            | XVI                            | Modern World History (1789-1915)<br>Ancient & Med. Group   |
|                         | XXXIII                 | Elements of Indian Iconography |  |
| 16-01-2013<br>Wednesday | 1. Drawing & Painting  | II                             | Aesthetics   |
|                         | 2. Economics           | II                             | International Economics I  |
|                         | 3. English             | II                             | 20th Century Non-fictional Prose.  |
|                         | 4. Education           | II                             | Teachers Education   |
|                         | 5. Geography           | II                             | Agricultural Geography & Agro-ecosystem Management   |
|                         | 6. Hindi               | II                             | भाषाविज्ञान  |
|                         | 7. Home Science        | II                             | Communication Process  |
|                         | 8. Mathematics         | II                             | Topology   |
|                         | 9. Music               | II                             | General Theory of Music(Vocal/Tabla)   |
|                         | 10. Political Science  | II                             | Indian Administration  |
|                         | 11. Psychology         | II                             | Psychology of Guidance & Counselling   |
|                         | 12. Sanskrit           | II                             | गद्य एवं ऐतिहासिक काव्य  |
|                         | 13. Sociology          | II                             | Sociology of Development : Concept and Theories  |
|                         | 14. History            | XXII                           | Indian National Movement : Pre Gandhi Era<br>Compulsory For Ancient and Medieval & Modern History Group and Optional Paper for Archaeology Group |

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| Day & Date           | Subject                                    | Paper   | Title  |
|----------------------|--|---|--|
| 21-01-2013<br>Monday | 1. Economics                               | III   | Economics of Growth & Development I  |
|                      | 2. English                                 | III   | Indian Literature in English-A   |
|                      | 3. Geography                               | III   | Rural Development Planning   |
|                      | 4. Hindi                                   | III   | निबन्ध एवं स्मारक साहित्य  |
|                      | 5. Home Science                            | III   | Apparel Designing  |
|                      | 6. Political Science                       | III   | Political Sociology  |
|                      | 7. Psychology                              | III   | Psychopathology-I  |
|                      | 8. Sanskrit                                | III   | नाट्यशास्त्र   |
|                      | 9. Sociology                               | III   | Studies of Tribes and Weaker Sections  |
|                      | 10. History                                | XXVIII  | Political History of India<br>(320 AD - 720 AD)  |
|                      |  | XXXV  | Political History of Modern India<br>(1707 -1857)  |
|                      |  | VII   | Economic History of India<br>(600 BC - 320 AD)   |
| 28-01-2013<br>Monday | 1. Economics                               | IV  | Optional Paper-I<br>a- Agricultural Economics<br>b- Labour Economics<br>c- Advanced Statistics<br>d- Demography<br>e- Industrial Economics |
|                      | 2. English                                 | IV  | Option 1: American Literature -A<br>Option 2 : Indian Literature in Translation-A<br>Option 3 : Linguistics-A                              |
|                      | 3. Geography                               | IV  | Climatology & Climate Change Impacts & Adaptation 'or'<br>Social & Cultural Geography 'or'<br>Classical Geography of Geomorphology         |
|                      | 4. Hindi                                   | IV  | हिन्दी भाषा 'अथवा' कुमाऊँनी भाषा   |
|                      | 5. Home Science                            | IV  | Life Span Development  |
|                      | 6. Political Science                       | IV  | India in World Affairs   |
|                      | 7. Psychology                              | IV  | Fundamentals of Clinical Psychology  |
|                      | 8. Sanskrit                                | IV  | काव्यशास्त्र   |
|                      | 9. Sociology                               | IV  | Criminology  |
|                      | 10. <b>History</b><br><b>Ancient Group</b> | XXVIII  | Political History of India<br>(700AD-1200AD)   |
|                      | IX   | Economic & Social History of India<br>(700AD-1200AD)        |  |
|                      | IV   | Political and Cultural History of<br>Uttarakhand            |  |
|                      | V  | Art of Architecture of Ancient India-I                      |  |
|                      | III  | Cultural History of Ancient India :<br>Pre-Buddhis Period   |  |
|                      | VIII                                       | Cultural History of Ancient India :<br>Post-Buddhist Period |  |

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|-------------------------|--------------------------|---|--|--|
| 30-01-2013<br>Wednesday | <b>Archaeology Group</b> | IV  | Political and Cultural History of<br>Uttarakhand |  |
|                         |                          | XXIV  | Museum Organization & Administration             |  |
|                         |                          | XVI   | World History (1453-1648)                        |  |
|                         |                          | XX  | World History (1648-1776)                        |  |
|                         |                          | XXVI  | Indian National Movement : Gandhian Era          |  |
|                         |                          | XXX   | Indian National Movement : Gandhian Era          |  |
|                         |                          | I   | Historiography : Sources & Trends                |  |
|                         |                          | VII   | Historiography : Issues & Approaches             |  |
|                         |                          | XVIII   | Political History of the Mughals<br>(1526-1707)  |  |
|                         |                          | XXXVI   | Society and Cultural of Modern India             |  |
|                         |                          | IV  | Political and Cultural History of<br>Uttarakhand |  |
|                         |                          | <b>Medieval &amp; Modern Indian<br/>History Group</b> | XIX  | Cultural History of Medieval India:<br>Sultanate Period    |
|                         |                          |   | XXIII  | Cultural History of Medieval India:<br>Mughal Period       |
|                         |                          |   | XXII   | Economic and Social History of the Mughals<br>( 1526-1707) |
|                         |                          | XXXV  | Economic History of Modern India<br>(1707-1857)  |  |

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**Programme of M.Com. First/Third Semester Examination - 2012**

Time (09:00 AM to 12:00 Noon)

| Semester     | Day & Date              | Paper | Subject   |
|--------------|-------------------------|-------|---|
| I Semester   | 07/01/2013<br>Monday    | I.    | Business Management (Only for I Semester Students)<br>Business Management (Old Course, Only for Carry Over Paper) |
| III Semester | 09/01/2013<br>Wednesday | IX    | Accounting for Managerial Decision Making   |
| I Semester   | 11/01/2013<br>Friday    | II.   | Statistical Analysis  |
| III Semester | 15/01/2013<br>Tuesday   | X     | Advanced Financial Accounting   |
| I Semester   | 17/01/2013<br>Thursday  | III.  | Economics of Growth   |
| III Semester | 19/01/2013<br>Saturday  | XI    | Human Resource Management   |
| I Semester   | 21/01/2013<br>Monday    | IV.   | Business Environment  |
| III Semester | 23/01/2013<br>Wednesday | XII   | Corporate Legal Framework   |

Note : No Guarantee can be given to the Candidates regarding the order of the question papers.

Place : Nainital  
Dated :

Controller of Examination



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KUMAUN UNIVERSITY, NAINITAL (UTTARAKHAND)

**Programme of M.Sc. First/Third Semester Examination - 2012**

Time (09:00 AM to 12:00 Noon)

| Day & Date                              | Subject              | Paper | Title  |
|---|----------------------|-------|--|
| I Semester<br>07-01-2013<br>Monday      | 1. Botany            | I     | Micro Biology                                |
|   | 2. Chemistry         | I     | Inorganic Chemistry                          |
|   | 3. Forestry          | I     | Advanced Ecology and Silviculture            |
|   | 4. Geology           | I     | Structural Geology                           |
|   | 5. Mathematics       | I     | Advanced Analysis -I                         |
|   | 6. Physics           | I     | Mathematical Methods                         |
|   | 7. Statistics        | I     | Probability Theory                           |
|   | 8. Zoology           | I     | Micro Biology                                |
|   | 9. Information Tech. | I     | Data Base Models -I                          |
|   | 10. Computer Science | I     | Advanced Computer System Architecture        |
| III Semester<br>09-01-2013<br>Wednesday | 1. Botany            | I     | Plant Ecology                                |
|   | 2. Chemistry         | I     | Solid State Chemistry                        |
|   | 3. Forestry          | I     | Seed Science                                 |
|   | 4. Geology           | I     | Ground Water Hydrology                       |
|   | 5. Mathematics       | I     | Linear Algebra and Complex Analysis          |
|   | 6. Physics           | I     | Advanced Quantum Mechanics                   |
|   | 7. Statistics        | I     | Multivariate Analysis                        |
|   | 8. Zoology           | I     | Chordata                                     |
|   | 9. Information Tech. | I     | Java Programming -I                          |
|   | 10. Computer Science | I     | Net Framework C# #                           |
| I Semester<br>11-01-2013<br>Friday      | 1. Botany            | II    | Physiology                                   |
|   | 2. Chemistry         | II    | Organic Chemistry                            |
|   | 3. Forestry          | II    | Forest Biometry                              |
|   | 4. Geology           | II    | Igneous Petrology                            |
|   | 5. Mathematics       | II    | Differential Geometry and Modern Algebra-I   |
|   | 6. Physics           | II    | Classical Mechanics                          |
|   | 7. Statistics        | II    | Advanced Analysis and Matrix theory          |
|   | 8. Zoology           | II    | Non-Chordata                                 |
|   | 9. Information Tech. | II    | Business Systems-I                           |
|   | 10. Computer Science | II    | Operating System                             |
| III Semester<br>15-01-2013<br>Tuesday   | 1. Botany            | II    | Cytogenetics and Plant Breeding              |
|   | 2. Chemistry         | II    | Spectroscopy                                 |
|   | 3. Forestry          | II    | Nursery Technology & Wood Management         |
|   | 4. Geology           | II    | Remote Sensing & GIS Applications in Geology |
|   | 5. Mathematics       | II    | Topology                                     |
|   | 6. Physics           | II    | Nuclear Physics                              |
|   | 7. Statistics        | II    | Bioinformatics                               |
|   | 8. Zoology           | II    | Animal Behaviour                             |
|   | 9. Information Tech. | II    | Operating Systems-I                          |
|   | 10. Computer Science | II    | Network Security and Cryptography            |

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| <b>Day &amp; Date</b>                   | <b>Subject</b>       | <b>Paper</b> | <b>Title</b>  |
|---|----------------------|--------------|---|
| I Semester<br>17-01-2013<br>Thursday    | 1. Botany            | III          | Mycology  |
|   | 2. Chemistry         | III          | Physical Chemistry  |
|   | 3. Forestry          | III          | Advanced Forest Management  |
|   | 4. Geology           | III          | Mineralogy  |
|   | 5. Mathematics       | III          | Fluid Dynamics-I  |
|   | 6. Physics           | III          | Quantum Mechanics   |
|   | 7. Statistics        | III          | Statistical methods   |
|   | 8. Zoology           | III          | Ecology   |
|   | 9. Information Tech. | III          | Visual Programming with VC <sup>++</sup> -I                                 |
|   | 10. Computer Science | III          | Mathematical Foundation of Computer Science                                 |
| III Semester<br>19-01-2013<br>Saturday  | 1. Botany            | III          | Plant Biotechnology   |
|   | 2. Chemistry         | III          | Inorganic & Biophysical Chemistry   |
|   | 3. Forestry          | III          | Nutrient Management   |
|   | 4. Geology           | III          | Advanced Stratigraphy   |
|   | 5. Mathematics       | III          | Electricity and Magnetism   |
|   | 6. Physics           | III          | Elementary Partical Physics   |
|   | 7. Statistics        | III          | Regression Analysis & Time Series   |
|   | 8. Zoology           | III          | Developmental Biology   |
|   | 9. Information Tech. | III          | Software Engineering-I  |
|   | 10. Computer Science | III          | Artificial Intelligence   |
| I Semester<br>21-01-2013<br>Monday      | 1. Botany            | IV           | Bryology and Pteridology  |
|   | 2. Chemistry         | IV           | Group Theory and Instrumentation Chemistry                                  |
|   | 3. Forestry          | IV           | Wood Based Industries   |
|   | 4. Geology           | IV           | Sedimentology   |
|   | 5. Mathematics       | IV           | Tensor Calculus & Dynamics of Rigid Bodies-I                                |
|   | 6. Physics           | IV           | Statistical Physics   |
|   | 7. Zoology           | IV           | Taxonomy and Evolutionary Biology   |
|   | 8. Information Tech. | IV           | Data Communication and Client Server Technology-I                           |
|   | 9. Computer Science  | IV           | Advanced Database Systems   |
| III Semester<br>23-01-2013<br>Wednesday | 1. Botany            | IV           | Plant Physiology and Biochemistry   |
|   | 2. Chemistry         | IV           | Bio-organic Chemistry   |
|   | 3. Forestry          | IV           | Management & insect-pest and diseases                                       |
|   | 4. Geology           | IV           | Mineral Exploration and Beneficiation                                       |
|   | 5. Mathematics       | IV           | Functional Analysis   |
|   | 6. Physics           | IV           | Condensed Matter Physics  |
|   | 7. Zoology           | IV           | Biotechnology   |
|   | 8. Information Tech. | IV           | a- Artificial Intelligence-I 'or'<br>b- Programming with Visual Basic.Net-I |
|   | 9. Computer Science  | IV           | Image Processing  |

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| <b>Day &amp; Date</b>                   | <b>Subject</b> | <b>Paper</b> | <b>Title</b>  |
|---|----------------|--------------|---|
| I Semster<br>25-01-2013<br>Friday       | 1. Chemistry   | V            | Computer and Data Analysis for Chemists                 |
|   | 2. Forestry    | V            | Remote Sensing and Geographical Technology              |
|   | 3. Geology     | V            | Palaentology  |
|   | 4. Mathematics | IV           | Theory of Numbers I                                     |
|   | 5. Physics     | V            | Communication Electronics                               |
|   | 6. Zoology     | V            | Molecular Biology                                       |
| III Semster<br>28-01-2013<br>Monday     | 1. Chemistry   | V            | Photo Chemistry and Allied Chemistry                    |
|   | 2. Forestry    | V            | Energy Plantation and Bio-Fuels                         |
|   | 3. Geology     | V            | Geodynamics   |
|   | 4. Mathematics | V            | Mathematical Statistics                                 |
|   | 5. Physics     | V            | Plasma Physics  |
|   | 6. Zoology     | V            | Instrumentation, Biostatistics and Computer Application |
| I Semster<br>29-01-2013<br>Tuesday      | 1. Forestry    | VI           | Computer Application and Information Technology         |
| III Semester<br>30-01-2013<br>Wednesday | 1. Mathematics | IV           | Modern Algebra-I  |
| III Semester<br>01-02-2013<br>Friday    | 1. Mathematics | IV           | Relativity -I   |
| III Semester<br>02-02-2013<br>Saturday  | 1. Mathematics | IV           | Special Functions and Partial Differential Equations-I  |
| III Semester<br>04-02-2013<br>Monday    | 1. Mathematics | IV           | Riemannian Geometry -I                                  |
| III Semester<br>06-02-2013<br>Wednesday | 1. Mathematics | IV           | Operations Research-I                                   |

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