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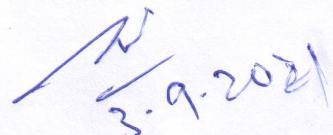
Revised Programme (2)



KUMAUN UNIVERSITY, NAINITAL Programme of M.A./M.Sc. - IV Semester Main/Back Examination - 2021

Time : 11.00 AM-01.00 PM

Date & Day	Subject	Paper No. Paper Code and Paper Name`	<u>OR</u>
10/09/2021 (Friday)	Economics	IV - (1281) - IV(i)-Research Methodology and Essay	<u>OR</u>
		IV - (1283)- IV (iii)-Agriculture Economics	<u>OR</u>
		IV - (1284) - IV (iv)-Labour Economics	<u>OR</u>
		IV - (1287) - IV (vii) -Advanced Statistics	<u>OR</u>
		IV - (1288) - IV (viii)-Demography	<u>OR</u>
		IV - (1289) - IV (ix)-Industrial Economics	<u>OR</u>
		IV - (1294) - Computer Application in Economics	<u>OR</u>
		IV - (1295) - IV (xv)-History of Economics Analysis	<u>OR</u>
	Political Science	IV - (7144) - IV (i) -Human Rights	<u>OR</u>
		IV - (7145) - IV (ii) International Organisation	<u>OR</u>
		IV - (7147) - IV (iv)-Research Methodology	
11/09/2021 (Saturday)	Sociology	IV - (2844) - Social Demography	
	Psychology	IV - (2644) - Psychotherapies	
	Home Science	IV - (2044) - Community Nutrition and Public Health	
	Geography (M.A. / M.Sc.)	IV- (1544/4544) - (a) Integrated Watershed Management	<u>OR</u>
		IV- (1545/4545)- (b) GIS & GPS Applications	<u>OR</u>
		IV- (1546/4546)- (c) Disaster Management	
13/09/2021 (Monday)	Mathematics (M.A./M.Sc.)	IV & V (iv) - IV(ii) - (5372) Riemannian Geometry	
	Geology	IV (A) - (4644) - Himalayan Geology	
		IV (B) - (4645) - Paleoclimatology	
	Chemistry	IV - (4244) - Inorganic Chemistry (Photo Inorganic Chemistry)	
	Forestry	IV - (4444) - (a) - Tree Seed Technology	<u>OR</u>
15/09/2021 (Wednesday)	Defence Studies (M.A. / M.Sc.)	IV - (4444) - (c) - Environmental Science	
		IV - (3044) - Area Studies of South Asia in the context of any two selected countries	
16/09/2021 (Thusday)	Political Science	IV - (7146) - International Law	
	Mathematics (M.A./M.Sc.)	IV (iv) - (iv) 5374 - Operation Research	
15/09/2021 (Wednesday)	Mathematics (M.A./M.Sc.)	IV & V (v) - IV(v) - 5375 - Statistical Analysis	
		IV & V (vii) - IV(vii) - 5377 - Design and Analysis of Algorithm	
16/09/2021 (Thusday)	Mathematics (M.A./M.Sc.)	IV & IV (vi) - IV(vi) - 5376 - Theory of Computation	


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18/09/2021 (Saturday)	English	I- (1441)- 20 th Century Literary Criticism and Theory	
	Economics	I- (1241) - Advanced Macro Economics-II	
	Hindi	XIII- (1641)- कुमाऊँनी साहित्य XIII- (1642) - उत्तराखण्ड के हिन्दी कवि XIII- (1643) - उत्तराखण्ड के हिन्दी कथाकार	<u>OR</u> <u>OR</u>
	History	Ancient / Archaeology/ Medieval & Modern Indian Group I- (1741/1841/1941) - Modern World History (A.D. 1871-1945)	
	Sanskrit	I- (2741) - व्याकरण एवम् निबन्ध	
	Political Science	I- (7141) - Contemporary Political Philosophy	
	Sociology	I- (2841) - Modern Sociological Perspective	
	Education	I- (1341) - Educational Measurements and Evaluation	
	Drawing & Painting	XIII- (1141) - European Painting and Western Painting	
	Psychology	I- (2641) - Theories of Personality	
	Home Science	I- (2041) - Indian Embroidery and Textile	
	Music	I- (2241)- Applied Theory of Music (Tabla) I- (7041) - Applied Theory of Music (Sitar) I- (2441) - Applied Theory of Music (Vocal)	<u>OR</u> <u>OR</u>
	Geography (M.A. / M.Sc.)	I- (1541/4541) - Advanced Geography of Uttarakhand	
20/09/2021 (Monday)	Botany	XIII- (4141) - Plant Resource, Utilization and Conservation of Biodiversity	
	Chemistry	I- (4242) - Inorganic Chemistry-I (General & Organometallic Chemistry) I- (4251) - Organic Chemistry-I (Organic Synthesis) I- (4261) - Physical Chemistry-I (Physical Organic and Quantum Chemistry)	<u>OR</u> <u>OR</u>
	Zoology	I- (5141) - I (a) - Fish and Fisheries (General Ichthyology) I- (5143) - I (b)- Entomology (Systematics and Applied Entomology) I- (5145) - I (c) Immunology (Fundamental of Immunology) I- (5149) - I (c) Animal Biotechnology (Animal Cell Culture)	<u>OR</u> <u>OR</u>
	Physics	XV- (4941) - I (A) - Advanced Electronics -I XV- (4942) - I (B) - High Energy Physics-I XV- (4943) - I (C) - Spectroscopy-I XV- (4944) - I (D) - Astrophysics-I XV- (4945) - I (E) - Advanced Condensed Matter Physics-I	<u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>
	Statistics (M.A. / M.Sc.)	I- (5041/2941) - Stochastic Process and Reliability Theory	
	Defence Studies (M.A. / M.Sc.)	I- (3041) - Defence Economics	
	Information Technology	I - (4741) - Advanced Java	
	Forestry	I- (4441) - Forest Products and Industries	
	Geology	I- (4641) - Engineering Geology	
	Computer Science	I - (4341) - Machine Learning	
	Mathematics (M.A./M.Sc.)	I - (5341) - Dynamics of Rigid Bodies	

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22/09/2021 (Wednesday)	English	II- (1442) - Indian Literature in English after 1960	
	Economics	II- (1242) - International Economics - II	
	Hindi	II- (1644) - लोक साहित्य II- (1645) - कुमाऊँनी लोक साहित्य	<u>OR</u>
	History	Ancient / Archaeology/ Medieval & Modern Indian Group II- (1742/1842/1942) - Indian National Movement (AD 1919-1950)	
	Sanskrit	II- (2742) - संस्कृत प्रकरण एवं चम्पू	
	Political Science	II- (7142) - Political Thought from Lenin to Rawls	
	Sociology	II- (2842) - Sociology of Development in Indian Context	
	Education	II- (1342) - Educational Management Planning and Organisation	
	Drawing & Painting	XIV- (1142) - Environmental Folk and Tribal Art	
	Psychology	II- (2642) - Counselling Psychology	
	Home Science	II- (2042) - Housing and Interior Decoration	
	Music	II- (2242) - General Theory of Music (Tabla) II- (7042) - General Theory of Music (Sitar) II (2442) - General Theory of Music (Vocal)	<u>OR</u> <u>OR</u>
	Geography (M.A. / M.Sc.)	II- (1542 / 4542) - Population Geography & Human Resource Development	
	Botany	XIV- (4142) - (i) Forest Ecology XIV- (4143) - (ii) Plant Pathology XIV- (4144) - (iii) Taxonomy of Angiosperms XIV- (4145) - (iv) Ethnobotany, Traditional Knowledge and Intellectual Property Right XIV- (4146) - (v) Bryology XIV- (4147) - (vi) Environmental Botany	<u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>
24/09/2021 (Friday)	Chemistry	III- (4245) - Inorganic Chemistry (Environmental Chemistry) II- (4252) - Organic Chemistry (Chemistry of Natural Products and Heterocyclic Compounds) II - (4262) - Physical Chemistry (Advanced Chemical Dynamics and Thermodynamics) - II	<u>OR</u> <u>OR</u>
	Zoology	II- (5142) - (A) Fish and Fisheries (Applied Ichthyology) II- (5144) - (B) Entomology (Biology of Insect : Morphology Physiology and Developmental Biology)-II (b) II- (5146) - I (C) Immunology (Applied Immunology) II- (5150) - I (D) Animal Biotechnology (Transgenics, Cloning & IPR)	<u>OR</u> <u>OR</u> <u>OR</u>
	Physics	II (a) - (4946) - Advanced Electronics -II II (b) - (4947) - High Energy Physics-II II (c) - (4948) - Spectroscopy-II II (d) - (4949) - Astrophysics-II II (e) - (4950) - Advanced Condensed Matter Physics-II	<u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>
	Forestry	II - (4442)- Forest Plantation and Bio-fuels	
	Geology	II- (4642) - Tectonic Geomorphology	
	Computer Science	II - (4342) - Internet of Things	
	Defence Studies (M.A. / M.Sc.)	II- (3042) - Geo-Politics & Military Geography	
	Information Technology	II- (4742) - Management Information System	
	Statistics (M.A. / M.Sc.)	II- (5042/2942) Statistical Computing	

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	Mathematics (M.A./M.Sc.)	II - (5342) - Functional Analysis
27/09/2021 (Monday)	English	III-(1491)- (i) Post Second World War : American Literature-B <u>OR</u> III-(1492)- (ii) Post Independence : Indian Literature in Translation-B <u>OR</u> III-(1493)- (iii) Applied Linguistics and Stylistics- B
	Economics	III - (1243) - Economics of Growth & Development II
	Hindi	विशेष अध्ययन XV - (1681) - (क) प्रेमचन्द्र <u>OR</u> XV - (1683) - (ग) कबीरदास <u>OR</u> XV - (1684) - (घ) सूरदास <u>OR</u> XV - (1685) - (ङ) सुमित्रानन्दन पंत <u>OR</u>
	History	Ancient / Archaeology Group III- (1743/1843) - Society and Culture of India (320 AD-1200 AD) Medieval & Modern Indian Group III- (1943)- Society and Culture of India (1708 AD-1950)
	Sanskrit	III - (2743) - काव्य-शास्त्र
	Political Science	III - (7143) - Post Cold War International Relations
	Sociology	III - (2843) - Gender and Society
	Education	III - (1343) - Population and Value Education
	Psychology	III - (2643) - Psychopathology -II
	Home Science	III - (2043) - Entrepreneurship Development
01/10/2021 (Friday)	Geography (M.A. / M.Sc.)	III - (1543 / 4543) - Biogeography
	Statistics (M.A. / M.Sc.)	III - (2926 / 5043) - Econometrics
	Chemistry	III - (4253) - Organic Chemistry (Medicinal Chemistry) III- (4263) - Physical Chemistry (Advanced Photochemistry and Nuclear Chemistry)
	Defence Studies (M.A. / M.Sc.)	III - (3043) - Defence Psychology
	Forestry	III - (4443) (b) - Environmental Impact Assessment and Management <u>OR</u> III - (4443) (d) - Eco Tourism Cocept and Approaches
	Geology	III - (4643) - Mineral Exploration and Mineral Economics
04/10/2021 (Monday)	Mathematics (M.A./M.Sc.)	III - (5343) - Calculus of Variation and Integral Equations
	Mathematics (M.A./M.Sc.)	IV & V (i) - IV(i) - (5371) - Relativity IV & V (iv) - IV(ix) - (5379) - Dynamical System IV & V (iii) - IV(iii) - (5373) - Advanced Abstract Algebra

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

Place: Nainital

Date : 3.9.2021

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Controller of Examinations
Kumaun University, Nainital