

KUMAUN UNIVERSITY, NAINITAL

Revised Programme of M.A., M.Sc. and M. Com. (IV Semester), Examination-2013

Time : 11.00 AM-2.00 PM

Date & Day	Subjects	Paper	MA/M.Sc./M. Com. IV Semester
06-08-2013 Tuesday	Physics	XV (d)	(PHY 6404) Astrophysics-I
Date & Day	Subjects	Paper	M.Sc. IV Semester
08-08-2013 Thursday	Physics	XIV (d)	(PHY 6409) Astrophysics-II
Date & Day	Subjects	Paper	MA/M.Sc./M. Com. IV Semester
14-08-2013 Wednesday	English	I	(ENG 6401) 20 th Century Criticism and Theory-I
	Economics	I	(ECO 6401) Advanced Macro Economics-II
	Hindi	I	(HIN 6401) dqekÅjuh lkfgR; (HIN 6402) mÙkjk[k.M ds fgUnh dfo (HIN 6403) mÙkjk[k.M ds fgUnh dFkkdkj
	Sanskrit	I	(SAN 6401) O;kdj.k ,oe~ fucU/k
	Political Science	I	(POL 6401) Contemporary Political Philosophy
	Sociology	I	(SOC 6401) Modern Sociological Perspective
	Education	I	(EDU 6405) Population Education [III & IV (e)]
	Drawing & Painting	I	(DRA 6401) XIV - History of Art (Modern Indian Painting)
	Psychology	I	(PSY 6401) Theories of Personality
	Home Science	I	(HSC 6401) Indian Embroidery and Textile
	Music (Vocal/Tabla)	I	(MUS-V 6401) Applied Theory of Music (Vocal) (MUS-T 6404) Applied Theory of Music (Tabla)
	Geography	I	(GEO 6401) I- Advanced Geography of Uttarakhand
	Botany	I	(BOT 6401) Plant Resources Utilization and Conservation of Biodiversity
	Chemistry	I	(CHE 6401) Inorganic Chemistry-I (CHE 6405) Organic Synthesis (CHE6408)

			Physical Organic and Quantum Chemistry
Geology	I	(GLG 6401) Engineering Geology	
Mathematics	I	(MAT 6401) Linear Algebra and Complex Analysis - II	
Zoology	I	(ZOO 6401) Fish and Fisheries (General and Ichthyology)-I(a)	OR
		(ZOO 6403) Entomology (Systematics and Applied Entomology) - I (b)	
Physics	XV (a)	(PHY 6401) Advanced Electronics -I	OR
	XV (b)	(PHY 6402) High Energy Physics-I	OR
	XV (c)	(PHY 6403) Spectroscopy-I	OR
	XV (e)	(PHY 6405) Advanced Condensed Matter Physics-I	
Statistics	I	(STA 6401) Stochastic Process and Reliability Theory	
Information Technology	I	(MIT 6401) Java Programming-II	
M. Com.	I	(COM 6401) Advanced Cost Accounting - XIII	

Date & Day	Subjects	Paper	MA/M.Sc./M. Com. IV Semester	
19-08-2013 Monday	English	II	(ENG 6402) Indian Literature in English-B (II)	
	Economics	II	(ECO 6402) VI- International Economics - II	
	Hindi	II	(HIN 6404) yksd lkfgR; (XIV)	OR
			(HIN 6405) dqekÅjuh yksd lkfgR;	
	Sanskrit	II	(SAN 6402) laLd`r ukV~; ,oae~ pEi dkO;	
	Political Science	II	(POL 6402) Political Thought from Marx	
	Sociology	II	(SOC 6402) Sociology of Development in Indian Context	
	Education	II	(EDU6406) III&IV (F) - Distance Education	
	Drawing & Painting	II	(DRA 6402) XVII-Aesthetics	
	Psychology	II	(PSY6402) Psychology of Counselling	
	Home Science	II	(HSC6402) II- Housing and Interior Decoration	
	Music (Vocal/Tabla)	II	(MUS-V6402) General Theory of Music (Vocal)	
			(MUS-T6405) General Theory of Music (Tabla)	
Geography	II	(GEO 6402) II-Population Geography & Human Resource Development		
Botany	II	(BOT 6402)		

			Forest Ecology - XIV(i) (BOT 6403) Plant Pathology - XIV (ii) (BOT 6404) Taxonomy Angiosperms - XIV (iii) (BOT 6405) Etnobotany and Traditional Knowledge and Intellectual Property Right - XIV (iv)	<u>OR</u> <u>OR</u> <u>OR</u>
	Chemistry	II	(CHE 6402) Inorganic Chemistry-II (CHE 6406) Chemistry of Natural Products and Heterocycle Compounds (CHE 6409) Advanced Chemical Dynamics and Thermo Dynamics	<u>OR</u> <u>OR</u>
	Geology	II	(GLG6402) II- Micropaleontology and Oceanography	
	Mathematics	II	(MAT 6402) Topology - II	
	Zoology	II	(ZOO 6402) Fish and Fisheries (Applied Ichthyology) - II(a) (ZOO 6404) Entomology (Morphology Psychology and Development Biology) - II (b)	<u>OR</u>
	Physics	XVI (a) XVI (b) XIV (c) XIV (e)	(PHY 6406) Advanced Electronics -II (PHY 6407) High Energy Physics-II (PHY 6408) Spectroscopy-II (PHY 6410) Advanced Condensed Matter Physics-II	<u>OR</u> <u>OR</u> <u>OR</u>
	Statistics	II	(STA 6402) II- Statistical Computing	
	Information Technology	II	(MIT 6402) Operating Systems : Case Study of Linux - II	
	M. Com.	II	(COM 6402) Marketing Management - XIV	
Date & Day	Subjects	Paper	M.A./M.Sc./M. Com. IV Semester	
24-08-2013 Saturday	English	III	(ENG 6402) American Literature-B [III(i)] (ENG 6404) Indian Literature in Translation-B (ENG 6405) Linguistics - B	<u>OR</u> <u>OR</u>
	Economics	III	(ECO 6403) VII- Economics of Growth & Development II	
	Hindi	III	(HIN 6408) XV- fof'k"V v/;;u	

			¼d½ izsepUn (HIN 6409) ¼[k½ vkpk;Z jkepUnz 'kqDy (HIN 6410) ¼x½ dchjnkI (HIN 6411) ¼?k½ lwjnkI (HIN 6412) ¼M+½ lqfe=kuUnu iar	<u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>
Sanskrit	III	(SAN 6404) dkO; 'kkL=		
Political Science	III	(POL 6403) Post Cold War International Relation		
Sociology	III	(SOC 6403) Gender and Society		
Psychology	III	(PSY 6403) Psychopathology -II		
Home Science	III	(HSC 6403) Life Span Development-II		
Geography	III	(GEO 6403) III-Biogeography		
Chemistry	III	(CHE 6407) Medicinal Chemistry		
Geology	III	(GLG6403) III- Environmental Geology		
Mathematics	III	(MAT 6407) Theory of Numbers - II		
Statistics	III	(STA 6403) III - Econometrics		
Information Technology	III	(MIT6403) Software Engineering-II		
M. Com.	III	(COM 6403) Financial Institutions and Markets - XV		
Date & Day	Subjects	Paper	MA/M.Sc./M. Com. IV Semester	
26-08-2013 Monday	Economics	IV	(ECO 6404) Research Methodology and Essay - VIII (ECO 6406) Agriculture Economics - X (ECO 6407) Labour Economics - XI (ECO 6410) Advanced Statistics - XIV (ECO 6411) Demography - XV (ECO 6412) Industrial Economics - XVI (ECO 6418) History of Economics Analysis - XXII	<u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u> <u>OR</u>
	Political Science	IV	(POL 6404) Human Rights Issues and Policies - IV (I)	<u>OR</u>

			(POL 6405) International Organisation - IV (II) OR
			(POL 6406) International Law - IV (III) OR
			(POL 6407) Research Methodology - IV (IV)
	Psychology	IV	(PSY6404) IV- Psychotherapies
	Home Science	IV	(HSC 6404) IV- Community Nutrition and Public Health
	Geography	IV	IV (a) (GEO 6404) Integrated Watershed Management OR
			(GEO 6405) IV-(b) GIS&GPS Applications OR
			IV (c) Disaster Management
	Mathematics	IV	(MAT 6408) Mathematics Statistics-II
	Information Technology	IV	(MIT 6404) Artificial Intelligence - IV (a) OR
			(MIT 6405) IV(b) Programming with Visual Basic Net-II
	M. Com.	IV	(COM 6404) Research Methodology - XVI
Date & Day			
Subjects		Paper	MA/M.Sc. IV Semester
27-08-2013 Tuesday	Mathematics	III&IV- VIII	(MAT 6410) Relativity - II
29-08-2013 Thursday	Mathematics	III&IV-IX	(MAT 6411) Riemannian Geometry-II
30-08-2013 Friday	Mathematics	III&IV- XI	(MAT 6413) Special Function and Partial Differential Equation-II
31-08-2013 Saturday	Mathematics	III&IV - II	(MAT 6404) Electricity and Magnetism OR
		III&IV-IV	(MAT 6406) Functional Analysis-II OR
		III&IV-VII	(MAT 6409) Modern Algebra-II OR
		III&IV- XIII	(MAT 6415) Operation Research -II OR

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

Date : 22-07-2013

Controller of Examinations
Kumaun University, Nainital