

**Details of CBCS, Skill Enhancement/Ability Enhancement Papers
Offered by Various Departments/Centres for PG Students during Sem.-II**

F/o Natural Sciences

S No.	Department	CBCS Papers	Skill Enhancement	Ability Enhancement
1	Biosciences	<ul style="list-style-type: none"> • Biophysics 	<ul style="list-style-type: none"> • Technical Writing & Seminar 	
2	Biotechnology	<ul style="list-style-type: none"> • Cellular & Mol. Physiology 	<ul style="list-style-type: none"> • Modern (Omics) Technology 	
3	Physics	<ul style="list-style-type: none"> • Mathematical Physics II 	<ul style="list-style-type: none"> • Numerical Analysis and Programming 	
4	Chemistry	<ul style="list-style-type: none"> • Group Theory and Spectroscopy-II 	<ul style="list-style-type: none"> • Application of Computers in Chemistry 	
5	Geography	<ul style="list-style-type: none"> • Human Ecology 	<ul style="list-style-type: none"> • Land Surveying and GPS 	
6	Computer Science	<ul style="list-style-type: none"> • Operating System & Shell Programming 	<ul style="list-style-type: none"> • Object Oriented Programming using C++ 	
7	Mathematics	<ul style="list-style-type: none"> • Data Structures in Java • Data Structures in C 	<ul style="list-style-type: none"> • 	
8	Centre for Interdisciplinary Research in Basic Sciences	<ul style="list-style-type: none"> • Structural Biology 	<ul style="list-style-type: none"> • 	

F/o Social Sciences

S No.	Department	CBCS papers	Skill Enhancement	Ability Enhancement
1	Political Science	<ul style="list-style-type: none"> • Indian Political Thought • Comparative Public Administration • Indian Political System 		
2	Commerce	<ul style="list-style-type: none"> • Entrepreneurship Development 		
3	Social Work	<ul style="list-style-type: none"> • Child & Women Development (Social Work) • Employee Engagement (Human Resource Management) 		
4	Psychology	<ul style="list-style-type: none"> • Social Psychology 		
5	Adult & Continuing Education Extension	<ul style="list-style-type: none"> • CBCS Paper is HRD and Current Management Practices 		
6	Sociology	<ul style="list-style-type: none"> • Sociology of Globalization & Development 	Quantative Research Method	

7	Economics	<ul style="list-style-type: none"> Financial Economics 		
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F/o Humanities & Languages

S No.	Department	CBCS papers	Skill Enhancement	Ability Enhancement
1	Islamic Studies	<ul style="list-style-type: none"> History of Muslim Civilization Umayyeds and Abbasids 		
2	Arabic	<ul style="list-style-type: none"> Proficiency in Arabic Level –II 		
3	Persian	<ul style="list-style-type: none"> Proficiency in Persian Level-II 		
4	History	<ul style="list-style-type: none"> The History of the Hindi Cinema in the 20th Century 		
5	Hindi	<ul style="list-style-type: none"> Aadhunik Kavita 		
6	Urdu	<ul style="list-style-type: none"> Modern Urdu Poetry 		
7	English	<ul style="list-style-type: none"> Literature of Dissent in the 20th Century 		
8	Tourism, Hotel, Hospitality and Heritage Studies	<ul style="list-style-type: none"> Human Resource Management 		

F/o Fine Arts

S No.	Department	CBCS papers	Skill Enhancement	Ability Enhancement
1	Graphic Art	<ul style="list-style-type: none"> Relief Print:- Woodcut /Linocut & Colography 		
2	Art Education	<ul style="list-style-type: none"> Wood Work (Wood Craft) 		
3	Applied Art	<ul style="list-style-type: none"> Commercial Photography 		
4	Sculpture	<ul style="list-style-type: none"> Composition in Mosaic/Tile work (in larger scale) 		
5	Painting	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Creative Drawing and Painting 	

F/o Engineering & Technology

S No.	Department	CBCS paper	Skill Enhancement	Ability Enhancement
1	Civil	<ul style="list-style-type: none"> Reliability Based Design (Earthquake Engineering) Environmental Chemistry & Microbiology 		

		(Environmental Sc. & Engineering)		
2	Electrical	<ul style="list-style-type: none"> Optimization Techniques 	<ul style="list-style-type: none"> Advance Control System Lab Power System Automation laboratory 	<ul style="list-style-type: none"> Transducer Technology Transmission & Distribution Automation
3	Mechanical	M Tech-Thermal Engineering MTC-201- Finite Element Methods MTC-202-Statistics For Decision Making M Tech-Machine Design MTC-201- Finite Element Methods MTC-202-Statistics For Decision Making M Tech-Production & Industrial MTC-201- Finite Element Methods MTC-202-Statistics For Decision Making	Technical Communication	Statistics for Decision Making
4	Applied Sciences & Humanities	<ul style="list-style-type: none"> Nanomaterials, Synthesis & Applications M.Sc.(Electronics)		
5	Computer	<ul style="list-style-type: none"> Data Mining & Analysis 		
6	Electronics & Communication	<ul style="list-style-type: none"> MEC-202: Advanced Digital Signal Processing 		

F/o Architecture & Ekistics

S No.	CBCS papers	Skill Enhancement	Ability Enhancement
1	<ul style="list-style-type: none"> Contemporary Islamic Architect (Pedagogy) (Building Services and Recreation Arch) (Healthcare) (Urban Regeneration) Policies & Legislation (M Ekistics) Concept of Transformation of Cities & Theory of Finance Planning 		

F/O Faculty of Education

S No.	Department	CBCS papers	Ability Enhancement	Skill Enhancement
1	Educational Studies	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Self Development and Teacher Education 	<ul style="list-style-type: none"> ICT Skill Development-Learning with Technology

F/O Faculty of Law

S No.	Faculty	CBCS papers	Skill Enhancement	Ability Enhancement
1	Law	<ul style="list-style-type: none"> • Forensic Science & Law 		

Centres of JMI

S No.	Centre	CBCS papers	Skill Enhancement	Ability Enhancement
1	Centre for Jawaharlal Nehru Studies	<ul style="list-style-type: none"> • 		
2	Nelson Mandela Centre for Peace and Conflict Resolution	<ul style="list-style-type: none"> • Skill for Conflict Transformation 		
3	Centre for European and Latin American Studies	<ul style="list-style-type: none"> • Communicative French-3 		
4	S N Centre for Women Studies	<ul style="list-style-type: none"> • Gender Discourse on Human Rights 		
5	AJK Mass Communication & Research Centre	<ul style="list-style-type: none"> • The Pleasure of Bollywood: Melodrama, Realism & Mythos • Intensive English Communication • Interdisciplinary Methodology & Interdisciplinary Analysis • Film Appreciation 		
6	Centre for Culture, Media & Governance	<ul style="list-style-type: none"> • Youth, Media and Society 		
7	NE Centre for Policy Research	<ul style="list-style-type: none"> • Perspectives on Conflict, Justice and Human Rights in North East India 		
8	Centre for Early Childhood Dev. & Research	<ul style="list-style-type: none"> • Technology: An Enabler/ Tool in Early Childhood Development 		
9	Centre for the Study of Social Exclusion and Inclusive Policy	<ul style="list-style-type: none"> • Discourse on Secularism and Communalism in modern India 		

10	KR Narayanan Centre for Dalit and Minority Studies	<ul style="list-style-type: none"> • New Media and the Marginalised • Marginalisation, Exclusion and education: Minorities and Dalits in India 		
11	Centre for Theoretical Physics	<ul style="list-style-type: none"> • Mathematical Physics II • General Relativity II • Particle Physics • Statistical Mechanics 		
12	Centre for Interdisciplinary Research in Basic Sciences	<ul style="list-style-type: none"> • Cell & Molecular Biology • Data Base System & Data Mining 	<ul style="list-style-type: none"> • Numerical Methods & Programming-I 	
13	Centre for Management Studies			
14	Centre for Nano Science & Nano Technology	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	
15	Centre for West Asian Studies	<ul style="list-style-type: none"> • West Asia in Global Politic 	<ul style="list-style-type: none"> • 	
16	Centre for Study of Social Exclusion and Inclusive Policy	<ul style="list-style-type: none"> • Discourses of Secularism and Communalism in Modern India 	<ul style="list-style-type: none"> • 	
17	Academy of International Studies	<ul style="list-style-type: none"> • Geo- Hazards & Natural Disaster Management • West Asia & North Africa 	<ul style="list-style-type: none"> • 	
18	India-Arab Cultural Centre	<ul style="list-style-type: none"> • Religious Syncretism in India: Sufi and Bhakti Traditions • Muslim Intellectual Movements in South Asia • Introduction to Arab Culture 		