

**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"> <li>• Biophysics</li> </ul>	<ul style="list-style-type: none"> <li>• Technical Writing &amp; Seminar</li> </ul>	
2	Biotechnology	<ul style="list-style-type: none"> <li>• Cellular &amp; Mol. Physiology</li> </ul>	<ul style="list-style-type: none"> <li>• Modern (Omics) Technology</li> </ul>	
3	Physics	<ul style="list-style-type: none"> <li>• Mathematical Physics II</li> </ul>	<ul style="list-style-type: none"> <li>• Numerical Analysis and Programming</li> </ul>	
4	Chemistry	<ul style="list-style-type: none"> <li>• Group Theory and Spectroscopy-II</li> </ul>	<ul style="list-style-type: none"> <li>• Application of Computers in Chemistry</li> </ul>	
5	Geography	<ul style="list-style-type: none"> <li>• Human Ecology</li> </ul>	<ul style="list-style-type: none"> <li>• Land Surveying and GPS</li> </ul>	
6	Computer Science	<ul style="list-style-type: none"> <li>• Operating System &amp; Shell Programming</li> </ul>	<ul style="list-style-type: none"> <li>• Object Oriented Programming using C++</li> </ul>	
7	Mathematics	<ul style="list-style-type: none"> <li>• Data Structures in Java</li> <li>• Data Structures in C</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	
8	Centre for Interdisciplinary Research in Basic Sciences	<ul style="list-style-type: none"> <li>• Structural Biology</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	

**F/o Social Sciences**

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

7	Economics	<ul style="list-style-type: none"> <li>Financial Economics</li> </ul>		
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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"> <li>History of Muslim Civilization Umayyeds and Abbasids</li> </ul>		
2	Arabic	<ul style="list-style-type: none"> <li>Proficiency in Arabic Level –II</li> </ul>		
3	Persian	<ul style="list-style-type: none"> <li>Proficiency in Persian Level-II</li> </ul>		
4	History	<ul style="list-style-type: none"> <li>The History of the Hindi Cinema in the 20<sup>th</sup> Century</li> </ul>		
5	Hindi	<ul style="list-style-type: none"> <li>Aadhunik Kavita</li> </ul>		
6	Urdu	<ul style="list-style-type: none"> <li>Modern Urdu Poetry</li> </ul>		
7	English	<ul style="list-style-type: none"> <li>Literature of Dissent in the 20<sup>th</sup> Century</li> </ul>		
8	Tourism, Hotel, Hospitality and Heritage Studies	<ul style="list-style-type: none"> <li>Human Resource Management</li> </ul>		

### F/o Fine Arts

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

### F/o Engineering & Technology

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

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

### F/o Architecture & Ekistics

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

### F/O Faculty of Education

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

## F/O Faculty of Law

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

## Centres of JMI

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

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