

# CLUSTER INNOVATION CENTRE

(University of Delhi)



**Meta University Concept based Course**

**M.Sc. (MATHEMATICS EDUCATION)**

*A joint degree postgraduate program by*

*University of Delhi & Jamia Millia Islamia*



## SCHEME OF EXAMINATION

1. Combined semester-wise result of the Meta University concept course M. Sc. (Mathematics Education) would be declared on the basis of marks system as per details given in this document.
2. For every paper studied under Meta University concept course M. Sc. (Mathematics Education) at University of Delhi and at Jamia Millia Islamia, the total marks and breakup of marks for Theory Paper and for Internal Assessment along with pass percentage during four semesters is as given in the table below.
3. For every innovation project / project work done in a paper, the marks system of this component will be as given in the table below.

### **Note**

The examination for papers studied by students at JMI will be conducted at JMI. \*

The examination for papers studied by students at DU will be conducted at DU.

Declaration of semester-wise result and issuing of Mark-sheets carrying logo of both DU and JMI shall be the responsibility of Examination Branch University of Delhi.

\* JMI examination branch will provide result of these papers to DU.

## Semester I

S. No.	Paper Title	Offering Centre	Credits	Total Marks	Marks Breakup	Pass Percentage
I.1	Calculus: Role in real life	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
I.2	Perspectives in Mathematics Education	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
I.3	Paper option 1 from JMI*	AJKMCRC, JMI	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
I.4	Paper option 2 from JMI*	AJKMCRC, JMI	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
I.5	Innovation Project-I: Interlinking mathematics & real world problems	CIC,DU/JMI	<b>8</b>	<b>200</b>		<b>40% in Total</b>
		<b>Total</b>	<b>24</b>	<b>700</b>		

## Semester II

S. No.	Paper Title	Offering Centre	Credits	Total Marks	Marks Breakup	Pass Percentage
II.1	Demystifying the power of data: Probability & Statistics	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
II.2	Curriculum and Evaluation in Mathematics	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
II.3	ICT in Mathematics Education	CIC,DU	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
II.4	Learning ways of Mathematical writing	CIC,DU	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
II.5	Innovation Project-II: Internship in Educational setting-I	CIC,DU/JMI	<b>8</b>	<b>200</b>		<b>40% in Total</b>
		<b>Total</b>	<b>24</b>	<b>700</b>		

## Semester III

S. No.	Paper Title	Offering Centre	Credits	Total Marks	Marks Breakup	Pass Percentage
III.1	Discretizing and understanding Real Life Situations Through a Mathematical Lens	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
III.2	Art of Teaching Mathematics	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
III.3	Digital Technology in Mathematics Education	CIC,DU	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
III.4	Research Methodology in Education	CIC,DU	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
III.5	Innovation Project-III: Internship in Educational Setting-II	CIC,DU/JMI	<b>8</b>	<b>200</b>		<b>40% in Total</b>
			<b>24</b>	<b>700</b>		

## Semester IV

S. No.	Paper Title	Offering Centre	Credits	Total Marks	Marks Breakup	Pass Percentage
IV.1	Understanding mathematical language of ordinary differential equations and complex analysis	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
IV.2	Research Investigation in Mathematics Education	CIC,DU	<b>5</b>	<b>150</b> A . Theory 100 B . Project 50	A. Written 75 IA 25	<b>40% in Total</b> A. 40% in written 40% in Total B. 40% in Project
IV.3	Paper option 3 from JMI*	AJKMCRC, JMI	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
IV.4	Paper option 4 from JMI*	AJKMCRC, JMI	<b>3</b>	<b>100</b>	Written 75 IA 25	<b>40% in Total</b> 40% in Written
IV.5	Innovation Project-IV: Research Dissertation	CIC,DU/JMI	<b>8</b>	<b>200</b>		<b>40% in Total</b>
			<b>24</b>	<b>700</b>		

### \* List of papers to be opted from JMI

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|--|---|
| 1. English for Media Communication             | 2. Advertising                                  |
| 3. Contemporary India and the World We Live in | 4. Development Journalism                       |
| 5. Media Management                            | 6. Public Relations and Corporate Communication |
| 7. Media Laws and Ethics                       | 8. Mass Communication Theory                    |
| 9. Media Research                              |   |

### Note:

The decision to offer two or three specific papers from amongst the above-mentioned papers or any other course approved by Academic Council of JMI varies from semester to semester. Syllabus of the papers to be opted from JMI presently is as per approved syllabi of AJKMCRC.

# Promotion Scheme for M.Sc. (Mathematics Education)

## (i) General Rules:

1. A student shall earn full credits for a paper if she/he passes the paper and shall earn no credit if she/he fails in the paper.
2. All students shall be promoted from first to second semester irrespective of their performance in first semester. Similarly, all students shall be promoted from third to fourth semester irrespective of their performance in third semester.
3. A student shall be eligible for promotion from 1<sup>st</sup> year to 2<sup>nd</sup> year (third semester) provided she/he has passed five out of ten papers. (i.e. minimum 50% of the papers)
4. A student not eligible for promotion from 1<sup>st</sup> year to 2<sup>nd</sup> year (third semester), however, shall retain her/his marks secured in papers she/he passed and that of Internal assessment only in papers she/he has not passed.
5. If a student fails in an Innovation Project paper, she/he has to either redo the project or carry out a new project.
6. A student will be given a maximum of three chances in total to pass a paper as and when that paper's examination takes place within three years of his first appearance in the examination of that paper.
7. No supplementary examination shall be conducted.
8. A student shall be awarded the degree only if he/she passes in all the papers.
9. Grand Total of marks of all four semesters is 2800. A student shall be awarded first division if she/he secures 60% or more marks in aggregate. A student shall be awarded second division if she/he secures marks between 50% or more marks but less than 60% in aggregate. A student shall be awarded third division if she/he secures marks between 40% or more marks but less than 50% aggregate.

## (ii) Reappearance in passed papers:

1. A student may reappear in any theory paper prescribed for a semester, on foregoing in writing her/his previous performance in the paper/s concerned. This can be done in the immediate subsequent semester examination only. The result for this paper will be revised incorporating current performance.
2. In the case of a candidate, who opts to re-appear in any paper/s under the aforesaid provisions on surrendering her/his earlier performance, but fails to reappear in the paper/s concerned, the marks previously secured by the candidate in the paper/s in which she/he has failed to re-appear shall be taken into account while determining her/his result of the examination held currently.
3. A student who reappears in a theory paper shall carry forward the internal assessment and project/practical marks, originally awarded in that paper.
4. Reappearance in a passed Innovation project paper shall not be allowed.

## (iii) Attendance Requirements

1. For papers studied at University of Delhi, student shall have to fulfill the attendance rules of University of Delhi.
2. For papers studied at Jamia Milia Islamia, student shall have to fulfill the attendance rules of Jamia Millia Islamia