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MATHEMATICS

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Class 11–12 level Mathematics • Latest exam pattern

FOR ADMISSION TO B.Sc. (HONS.) MATHEMATICS

JMI | AMU | CUET-UG | Central Universities

INSIDE THIS BOOK

- Chapter-wise Concepts (NCERT 11–12)
- Formula Sheets & Shortcuts
- Solved Examples
- Chapter-wise MCQs
- PYQs: JMI, AMU & CUET-UG
- Full-Length Mock Tests



By **Farooq Sir**

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B.Sc. (Hons.) Mathematics

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A complete entrance guide for **B.Sc. (Hons.) Mathematics** admission at **JMI**, **AMU** and central universities through **CUET-UG**. Concepts are explained in simple language with formula sheets and shortcuts, followed by solved examples, chapter-wise MCQs, previous year questions and full-length mock tests.

Mathematics Syllabus (NCERT)

27 Chapters • Class 11 + Class 12

CLASS 11 — 14 Chapters

01	Sets
02	Relations and Functions
03	Trigonometric Functions
04	Complex Numbers and Quadratic Equations
05	Linear Inequalities
06	Permutations and Combinations
07	Binomial Theorem
08	Sequences and Series
09	Straight Lines
10	Conic Sections
11	Introduction to Three Dimensional Geometry
12	Limits and Derivatives
13	Statistics
14	Probability

CLASS 12 — 13 Chapters

01	Relations and Functions
02	Inverse Trigonometric Functions
03	Matrices
04	Determinants
05	Continuity and Differentiability
06	Application of Derivatives
07	Integrals
08	Application of Integrals
09	Differential Equations
10	Vector Algebra
11	Three Dimensional Geometry
12	Linear Programming
13	Probability

BY

Farooq Sir, Meer Sir Academy, Jamia Nagar, New Delhi: mathematics faculty preparing students for JMI, AMU and CUET-UG entrance examinations.

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WhatsApp: 8700911759, 6006688498 • www.meersir.com

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