

B.Sc. (Honors) Computer Science with Research

ENTRANCE TEST FORMAT & SYLLABUS

Prepared by Meer Sir Academy

Entrance Test Format

Question Type: Multiple Choice Questions (MCQs)

S. No.	Section	Level / Focus	Weightage
1	Mathematics	CBSE Senior Secondary / 10+2 Level	50%
2	Computer Awareness	Computer fundamentals and awareness	20%
3	Reasoning	Logical, verbal, symbolic and mathematical reasoning	20%
4	General English	Grammar, vocabulary and usage	10%
Total Weightage: 100%			

1. Mathematics - 50%

Level: CBSE Senior Secondary / 10+2 Level.

The prescribed Mathematics portion covers the following areas:

- Sets
- Relations and Functions
- Trigonometric Functions
- Complex Numbers and Quadratic Equations
- Linear Inequalities
- Permutations and Combinations
- Binomial Theorem
- Sequences and Series
- Straight Lines
- Conic Sections
- Introduction to Three Dimensional Geometry
- Limits and Derivatives
- Statistics
- Probability

- Inverse Trigonometric Functions
- Matrices
- Determinants
- Continuity and Differentiability
- Application of Derivatives
- Integrals
- Application of Integrals
- Differential Equations
- Vector Algebra
- Three Dimensional Geometry
- Linear Programming
- Probability

2. Computer Awareness - 20%

- Computer Organization
- Components of a Computer
- Input and Output (I/O) Devices
- Storage Devices
- Types of Computer Systems

- Types of Software
- Programming Languages
- Number Systems
- Internet
- Extranet
- Intranet
- Popular Computer Brands
- Popular Computer Software Companies
- Recent Developments
- Common Computer Terminology
- Windows
- Current Trends / News

- Test of Direction Sense
- Coding-Decoding
- Number Ranking
- Arithmetical Reasoning
- Blood Relations
- Analogy
- Decision Making
- Non-verbal Series
- Mirror Images
- Grouping Identical Figures
- Common Reasoning Fallacies

3. Reasoning - 20%

- Logical Reasoning
- Symbolic Reasoning
- Verbal Reasoning
- Mathematical Reasoning
- Finding Odd-Man Out
- Matching
- Differences
- Similarities
- Prediction
- Interpolation and Extrapolation in Number Series
- Number Series
- Alphabet Series

4. General English - 10%

- Vocabulary
- Punctuation
- Syntax
- Verb Forms
- Spelling
- Synonyms
- Antonyms
- Tense
- Use of Preposition
- Conjunctions
- Active and Passive Voice
- Simple, Complex and Compound Sentences
- Degree of Comparison
- Direct and Indirect Speech

Meer Sir Academy - Preparation Focus

Highest priority: Mathematics carries 50% of the entrance-test weightage and should receive the largest share of preparation time.

Supporting sections: Computer Awareness and Reasoning together account for 40%, while General English accounts for 10%.

Section	Weightage	Suggested Preparation Emphasis
Mathematics	50%	Very High
Computer Awareness	20%	High
Reasoning	20%	High
General English	10%	Moderate

B.Sc. (Hons.) Computer Science – JMI Entrance Preparation 2027–28

MEER SIR ACADEMY

 **Target:** Jamia Millia Islamia (JMI) Entrance Examination

 **Course:** B.Sc. (Hons.) Computer Science

 **Target Session:** 2027–28

 **Complete Course Fee:** ₹28,000/-

Course Fee

₹28,000 for the complete JMI Entrance Preparation programme

Preparation Includes

- Complete entrance syllabus coverage

- Study Material

- 50 Full Length Mock Tests with OMR

- Mathematics preparation

- Computer Awareness

- Reasoning

- General English

- Topic-wise practice

- Regular MCQ tests

- Mock entrance examinations

- Doubt-clearing sessions

- Study material

- Performance monitoring

- Exam-oriented guidance

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BSc (H) Computer Science

JMI ENTRANCE

Small Batches | Personal Attention | Exam-Focused Preparation



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 ADNAN SIR (PHYSICS) 9 years of Experience	 ABU HURERAH GIRI SIR (CHEMISTRY) 8 years of Experience	 FAROOQ SIR (MATHS) 14 years of Experience



MEER SIR ACADEMY

JMI B.Sc. (Honors) Computer Science with Research Entrance Preparation

Mathematics | Computer Awareness | Reasoning | General English

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