

## MCA Entrance Exam Syllabus

### Introduction and Overview

The entrance exam for MCA would focus on evaluating the comprehension and reasoning skills and abilities of candidates along with knowledge of Computers and Maths.

It shall be of 60 minutes duration. The section would include 100 objective-type questions carrying 1 mark each. There shall be no negative marking. These questions would be divided across the following 5 subjects:

### Computer Awareness

- **Basic Computer Fundamentals**

- o Input and Output Devices
- o Types of Memory (RAM, ROM, Cache)
- o Number Systems (Binary, Octal, Decimal)

- **Operating Systems**

- o Basic Concepts of OS
- o File Systems

- **Networking**

- o Basic Terminologies (LAN, WAN, Internet)
- o Protocols (TCP/IP, HTTP)

- **Programming Basics**

- o C/C++ and Basic Syntax
- o Algorithms and Flowcharts

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### **English Language:**

- o Grammer & Language Convention
- o Vocabulary
- o Comprehension
- o Synonyms and Antonyms
- o Ordering of Sentences
- o Para jumbles
- o Error Spotting
- o Idioms & Phrases

### **Analytical and logical Reasoning:**

- o Coding and Decoding
- o Direction Sense
- o Blood Relations
- o Logical Deduction
- o Simple Arithmetic
- o Interpretation of Data
- o Problem and Puzzle solving
- o Flow charts and Algorithms

### **Mathematics and statistics:**

- o Algebra
- o Coordinate Geometry
- o Calculus
- o Probability
- o Set Theory and Logic

### **General Awareness**

- Static GK
- o Geography
- o History
- o Indian Constitution
- o Science and Technology
- Current Affairs
- o National and International Events
- o Awards and Recognitions
- o Sports