

IB ACIO

EXAM 2027

BY A TEAM OF EXPERTS



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IB ACIO – Syllabus

The IB ACIO examination is conducted by the Ministry of Home Affairs (MHA) to recruit candidates for the post of Assistant Central Intelligence Officer (ACIO) Grade-II/Executive in the Intelligence Bureau (IB). This is a Group 'C', non-ministerial position that plays an important role in India's internal intelligence and security system.

The selection process for IB ACIO consists of three stages. The first stage, Tier-I, is an objective-type examination containing 100 multiple-choice questions to be completed within one hour. The questions are asked from Current Affairs, General Studies, Numerical Aptitude, Reasoning and Aptitude, and English Language. Each section carries equal weightage and there is a negative marking of 0.25 marks for each incorrect answer.

Candidates who qualify in Tier-I are shortlisted for the second stage based on normalized scores.

The Tier-II examination is a descriptive test of 50 marks, designed to evaluate the candidate's writing and analytical abilities. It includes essay writing, English comprehension, and two long descriptive answers related to current affairs, socio-political, or economic issues. Candidates who perform well in both Tier-I and Tier-II are invited for Tier-III, which is the interview stage. This stage assesses the candidate's personality, communication skills, and suitability for intelligence work.

Preface

Competitive examinations conducted for recruitment into government services require candidates to possess not only academic knowledge but also awareness, analytical ability, and strong communication skills. Among such prestigious examinations, the IB ACIO (Assistant Central Intelligence Officer) Examination conducted by the Ministry of Home Affairs (MHA) holds a special place. It offers an opportunity for young graduates to serve the nation by becoming part of the Intelligence Bureau, one of India's most important internal intelligence agencies. The position of ACIO Grade II/Executive demands dedication, alertness, and a deep understanding of national and international developments.

This book has been prepared to provide candidates with a clear and concise understanding of the IB ACIO examination, including its notification details, eligibility criteria, exam pattern, syllabus, and preparation strategy. The aim is to guide aspirants in organizing their preparation in a systematic manner so that they can approach the examination with confidence and clarity. Since the examination tests multiple areas such as general awareness, reasoning ability, numerical aptitude, English language, and descriptive writing, it is important for candidates to develop a balanced preparation strategy covering all sections. The contents presented here are designed to help aspirants quickly grasp the essential information related to the examination while also understanding the expectations of the recruiting authority. By familiarizing themselves with the exam structure and practicing regularly, candidates can significantly improve their chances of success.

It is hoped that this material will serve as a useful guide for all IB ACIO aspirants and help them take a confident step toward achieving their goal of serving the nation through a career in intelligence and security services.

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Section I : Maths.

Methodology in Brief.

BODMAS

BODMAS is a rule that tells us the correct order in which mathematical operations should be done. It is used when a question has more than one operation like addition, subtraction, multiplication, division, powers, or brackets. If we do not follow a proper order, we may get the wrong answer. BODMAS stands for Brackets, Orders, Division, Multiplication, Addition and Subtraction.

Brackets are solved first. Brackets can be of different types such as small brackets (), square brackets [], and curly brackets { }. When brackets are inside each other, we solve the innermost bracket first and then move outward. For example, in the expression $8 + (5 - 3)$, we first solve the bracket $5 - 3 = 2$, and then add $8 + 2 = 10$. Orders mean powers and roots. For example, 2^3 means $2 \times 2 \times 2$ which equals 8. Similarly, $\sqrt{49}$ equals 7. In an expression like $3 + 2^2$, we first calculate $2^2 = 4$ and then add $3 + 4 = 7$. After brackets and orders, we solve division and multiplication. Division and multiplication are done from left to right, whichever comes first. For example, in $10 \div 2 \times 3$, we first divide $10 \div 2 = 5$ and then multiply $5 \times 3 = 15$. We do not multiply first because we must move from left to right.

After division and multiplication, we solve addition and subtraction. These are also done from left to right. For example, in $15 - 5 + 2$, we first subtract $15 - 5 = 10$ and then add $10 + 2 = 12$.

It is important to understand that BODMAS does not mean division is always done before multiplication or addition is always done before subtraction. Division and multiplication are equal in priority and are solved from left to right. Addition and subtraction are also equal in priority and are solved from left to right. Let us take a complete example. Consider $18 \div 3 \times 2 + 4 - 1$. First we do division: $18 \div 3 = 6$. Then multiplication: $6 \times 2 = 12$. Then addition: $12 + 4 = 16$. Then subtraction: $16 - 1 = 15$. So the final answer is 15.

Another example is $12 - 4 \times 2 + 3^2$. First solve the power: $3^2 = 9$. Then multiply: $4 \times 2 = 8$. Now the expression becomes $12 - 8 + 9$. Moving left to right, $12 - 8 = 4$ and $4 + 9 = 13$. So the answer is 13. Therefore, BODMAS helps us solve mathematical expressions correctly by following a fixed order. First brackets, then orders, then division and multiplication from left to right, and finally addition and subtraction from left to right. If we follow this rule carefully, we will always get the correct answer.

Other Methodologies

Ratio and Proportion (Value Variation Logic)

Description: When value is directly proportional to the square of weight, we write

Value $\propto$ (weight)²

Therefore, Value = $k \times$ (weight)²

where k is the constant of proportionality.

Let the two broken pieces have weights 5x and 8x.

Original weight = $5x + 8x = 13x$

Original value

= $k(13x)^2$