IB Junior Intelligence Officer Exam Pattern

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Tier 1

Serial Number	Subjects	Number Of Questions	Total Marks	Time Duration	Exam Type
1	General Mental Ability	25	25		
2	Technical Subjects	75	75	2 Hours	Objective
	Total	100	100		

Cut Off Marks in Tier-I exam would be UR-35, OBC-34, SC/ST-33 & EWS-35

Tier 2 & 3

Tier	Nature of Test	Marks
Tier 2	Skill Test - it would be practical-based and technical commensurate with the job profile	30
Tier 3	Interview/Personality Test	20

IB JIO Syllabus Topic Wise

General Mental Ability

- Indian History
- Current Affairs
- Indian Geography
- Indian Polity
- Number System
- Logical and Analytical Reasoning
- English Vocabulary
- Time and Work
- Important Days and Dates
- Percentage
- Profit and Loss
- Mixture and Allegation
- Data Interpretation
- Coding Decoding
- Series
- Cloze Test

- Error, etc.

Electronics & Telecommunication Engineering

- Electronic Components & Materials
- Electronic Devices and Circuits
- Digital Electronics
- Linear Integrated Circuit
- Electronic Measurements
- Microprocessor and Microcontroller
- Communication Engineering
- Electronic Measurements
- Data Communication and Network
- Basic Electrical Engg
- Computer Programming, etc.

Computer Science Engineering

- Computer Fundamentals
- Computer Organization
- System Analysis and Design
- C Language
- Information Systems
- DBMS fundamentals
- Data and Network Communication
- Java Programming
- Data Structure using C++
- Operating System using LINUX
- System Programming
- Web Technologies and Programming
- MS Windows, MS Word, MS Excel & MS-PowerPoint
- Software Engineering, etc.

Mathematics

- Trigonometry
- Cartesian System of Rectangular Coordinates
- Statistics
- Complex Numbers
- Quadratic Equations
- Definite Integrals
- Exponential and Logarithmic Series
- Sets and Set Theory
- Probability Function
- Circles
- Relations and Functions

- Logarithms
- Sequences and Series
- Conic Sections
- Permutations and Combinations
- Vectors
- Limits and Continuity
- Differentiation
- Introduction to Three-Dimensional Geometry
- Straight Lines
- Applications of Derivatives
- Indefinite Integrals Binomial Theorem
- Matrices
- Determinants

Physics

- Relativity
- Atomic
- Quantum Theory and its Applications
- Electromagnetic Theory
- Statistical Mechanics
- Nuclear and Particle Physics
- Mathematical Methods
- Classical Mechanics
- Experimental Physics
- Electronics
- Molecular Physics
- Condensed Matter Physics
- Thermodynamics

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