

SarkariExam.com

Bihar BSSC Inter Level Exam 2023

| BSSC Inter Level Exam Pattern 2023 - For Prelims | | | | |
|---|---|-------------------------|--------------|--------------------|
| Mode of Examination – Online (MCQ) | | | | |
| Negative Marking – 1 Mark | | | | |
| Sno. | Subjects | No. of Questions | Marks | Duration |
| 1. | General Studies | 50 | 200 | 02 hour 15 minutes |
| 2. | General Science and Mathematics | 50 | 200 | |
| 3. | Mental Ability Test (Comprehension/ Logic/ Reasoning/ Mental Ability) | 50 | 200 | |
| Total | | 150 | 600 | |

| BSSC Inter Level Exam Pattern 2023- Mains | | | | |
|--|--|-------------------------|--------------|-----------------|
| Papers | Subjects | No. of Questions | Marks | Duration |
| Paper 1 | General Awareness/ Hindi language | 100 | 400 | 2 hrs 15 mins |
| Paper 2 | Mental ability/logical reasoning General mathematics/science | 150 | 600 | 2 hrs 15 mins |

Bihar BSSC Exam Syllabus 2023

General Studies :

- Current Affairs
- Indian History
- Physical Features
- Climate, Demography
- Economic and Social Development
- Poverty Alleviation
- Economic Planning
- Knowledge related to Political and Scientific fields
- Sports, Cinema and Literature, etc.
- Important Events
- Freedom and Social Movements and their Leaders of India and Punjab
- Constitutional & Administrative law, its Features
- Central and State Executive
- Judicial System
- Centre-State Relation
- Citizenship
- Fundamental Rights & Fundamental Duties of the citizens

Mental Ability Test :

- Focus on Comprehension Reasoning
- Venn Diagrams
- Number Series
- Coding and de-coding
- Problem-Solving Techniques
- Statement & Conclusion type questions
- Arithmetic reasoning
- Arithmetical number series

- Non-verbal series
- Syllogistic reasoning
- Seating Arrangements

Hindi :

- भाषण के भाग (संज्ञा, सर्वनाम, क्रिया, विशेषण, क्रिया विशेषण, आदि)
- काल (वर्तमान, अतीत, भविष्य)
- कर्ता क्रिया समझौता
- एकवचन और बहुवचन रूप
- लिंग (पुल्लिंग और स्त्रीलिंग)
- विलोम शब्द और पर्यायवाची
- मुहावरे और वाक्यांश
- वाक्य संरचना और गठन (सरल, संयुक्त, जटिल वाक्य)
- वाक्यों का शुद्धिकरण
- सक्रिय और निष्क्रिय आवाज
- प्रत्यक्ष और अप्रत्यक्ष भाषण
- संयोजक और पूर्वसर्ग

General Science :

| Subjects | Topics |
|----------------|--|
| Physics | <ul style="list-style-type: none"> • Mechanics: Laws of motion, Work, energy, and power, Gravitation, Rotational motion, Fluid mechanics • Thermodynamics: Laws of thermodynamics, Heat and temperature, Thermal expansion, Heat transfer • Electricity and Magnetism: Electric charge and field, Electric current and circuits, Magnetism and electromagnetic induction, Electrical and magnetic properties of materials • Optics: Reflection and refraction, Lenses and mirrors, Optical |

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| | instruments, Wave nature of light |
| Biology | <ul style="list-style-type: none"> • Cell Biology: Cell structure and function, Cell division, Microorganisms • Genetics: Mendelian genetics, DNA and RNA, Genetic disorders • Human Physiology: Digestive system, Respiratory system, Circulatory system, Nervous system, Excretory system • Plant and Animal Biology: Plant structure and growth, Animal diversity, Ecology and environment |
| Chemistry | <ul style="list-style-type: none"> • Atomic Structure: Structure of the atom, Atomic models, Electron configuration • Chemical Bonding: Types of chemical bonds, Ionic and covalent compounds, Intermolecular forces • Periodic Table: Periodic trends, Classification of elements, Chemical properties of elements • Chemical Reactions: Types of chemical reactions, Balancing chemical equations, Chemical kinetics • States of Matter: Gases, liquids, and solids, Changes of state, Ideal gas laws |

Mathematics :

| Subjects | Topics |
|-------------------|---|
| Arithmetic | <ul style="list-style-type: none"> • Number System: Natural numbers, whole numbers, integers, rational numbers, irrational numbers, and real numbers. • Simplification: BODMAS (Brackets, Orders, Division and Multiplication, Addition and Subtraction) rule, fractions, decimals, and percentages. • LCM (Least Common Multiple) and HCF (Highest Common |

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|-----------------|---|
| | <p>Factor).</p> <ul style="list-style-type: none"> • Ratio and Proportion • Average: Simple and weighted averages. • Time and Work: Problems related to work efficiency and time taken to complete a task. • Time, Speed, and Distance: Problems involving relative speed, average speed, and time calculations. • Percentage: Calculation of percentages, increase and decrease percentages. |
| Algebra | <ul style="list-style-type: none"> • Basic Algebraic Identities. • Polynomials: Addition, subtraction, multiplication, and factorization of polynomials. • Linear Equations: Solving linear equations in one and two variables. • Quadratic Equations: Solving quadratic equations and their nature of roots. • Linear Inequalities: Solving and graphing linear inequalities. • Progressions: Arithmetic progression (AP), geometric progression (GP), and harmonic progression (HP). |
| Geometry | <ul style="list-style-type: none"> • Basic Geometric Concepts: Points, lines, angles, triangles, quadrilaterals, circles, and polygons. • Congruence and Similarity: Criteria for congruence and similarity of triangles and other geometric figures. • Mensuration: Calculation of areas and volumes of various geometric shapes, including triangles, circles, rectangles, squares, and cubes. • Coordinate Geometry: Cartesian coordinates, distance formula, and slope of a line. • Trigonometry: Trigonometric ratios, trigonometric identities, and trigonometric equations. |

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| Statistics | <ul style="list-style-type: none">• Data Interpretation: Tabulation, bar graphs, line graphs, and pie charts.• Measures of Central Tendency: Mean, median, and mode.• Measures of Dispersion: Range, variance, and standard deviation.• Probability: Basic probability concepts, probability of events, and permutations and combinations. |
| Miscellaneous | <ul style="list-style-type: none">• Set Theory: Concepts of sets, union, intersection, and complement.• Simple and Compound Interest: Problems related to interest calculations.• Profit and Loss: Calculation of profit and loss percentages.• Time and Work: Problems related to work efficiency and time taken to complete a task. |

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