Content

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Important Details about the Exam

The **Birla Institute of Technology and Science Admission Test (BITSAT)** is a university-level entrance exam conducted by BITS Pilani for admission to its Integrated First Degree programs, such as B.Tech, B.E., B.Pharm, and M.Sc. across its campuses in Pilani, Goa, Hyderabad, and Dubai. The exam is held once a year and is conducted in an online computer-based mode, with the medium of instruction being English only.

To be eligible for BITSAT, candidates must have completed their Class 12 or equivalent examination with Physics, Chemistry, and Mathematics (for B.E.) or Physics, Chemistry, and Biology (for B.Pharm). They should have secured at least 75% aggregate marks in these subjects, with a minimum of 60% in each subject individually.

Candidates who have passed Class 12 in the current or previous year are eligible to apply, and they are allowed a maximum of two attempts (once in each session of the exam year).

Eligibility Criteria:

Criteria	Requirement
Academic Qualification	Class 12 or equivalent with Physics, Chemistry, and Mathematics (for B.E.); Physics, Chemistry, and Biology (for B.Pharm)
Minimum Marks	75% aggregate in PCM/PCB and 60% in each subject individually
Year of Passing	Must have passed Class 12 in the same year or one year prior

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Attempt Limit	Maximum 2 attempts (Session 1 and 2 in the same year)

Exam Pattern

Section	**Number of Questions**
Physics	30
Chemistry	30
English Proficiency & Logical Reasoning	10 + 20 = 30
Mathematics/Biology	40
Total	**130** Questions
Bonus Questions	12 extra (only if all 130 attempted)
Duration	3 hours
Marking Scheme	+3 for correct, -1 for wrong

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Difficulty Level of BITSAT For All Shift

Difficulty Level of Physics

Shift	Physics Difficulty Level
May 26 – Shift 1	Moderate
May 26 – Shift 2	Moderate
May 27 – Shift 1	Moderate to Tough
May 27 – Shift 2	Moderate
May 28 – Shift 1	Easy to Moderate
May 28 – Shift 2	Slightly Confusing
May 29 – Shift 1	Moderate
May 29 – Shift 2	Easy to Moderate
May 30 – Shift 1	Moderate
May 30 – Shift 2	Moderate

Difficulty Level of Chemistry

Shift	Chemistry Difficulty Level
May 26 – Shift 1	Moderate
May 26 – Shift 2	Easy to Moderate
May 27 – Shift 1	Moderate
May 27 – Shift 2	Moderate
May 28 – Shift 1	Easy to Moderate
May 28 – Shift 2	Moderate
May 29 – Shift 1	Easy to Moderate
May 29 – Shift 2	Moderate
May 30 – Shift 1	Easy to Moderate
May 30 – Shift 2	Moderate

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Difficulty Level of Maths

Shift	Mathematics Difficulty Level
May 26 – Shift 1	Moderate
May 26 – Shift 2	Moderate
May 27 – Shift 1	Moderate
May 27 – Shift 2	Moderate
May 28 – Shift 1	Easy to Moderate
May 28 – Shift 2	Easy
May 29 – Shift 1	Moderate
May 29 – Shift 2	Moderate
May 30 – Shift 1	Moderate to Slightly Difficult
May 30 – Shift 2	Moderate

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Overall Paper Analysis

The May session of BITSAT 2025 concluded with a consistent exam structure across all shifts, offering a balanced challenge to aspirants. Spanning from May 26 to 30, the exam adhered to its legacy of maintaining a level of difficulty that closely mirrors JEE Main, though with a more predictable question format and a speed-intensive structure. Candidates experienced a mix of conceptual and formula-based questions across subjects, with particular emphasis on NCERT-aligned topics in Chemistry and a few surprises in Mathematics and Physics.

Students reported a moderate difficulty level across shifts, with few anomalies such as questions from removed chapters or minor technical issues. Despite this, most examinees found the paper fair and well-balanced. Logical Reasoning and English sections continued to test basic school-level understanding, while the Maths and Physics sections demanded speed, clarity of concepts, and precise time management. The overall consensus highlights that familiarity with BITSAT's format and swift problem-solving techniques were crucial for success.

Key Takeaways from BITSAT 2025 May Session

- **Overall Difficulty:** Moderate across all shifts; some fluctuations in question types but no drastic deviation.
- **Time Management:** Critical; the speed-based nature of the exam remained a defining factor.
- **Physics:** Balanced between theory and application; some multi-concept questions appeared.

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- **Chemistry:** Mostly NCERT-based; included questions from chapters omitted in other competitive exams.
- **Maths:** Mixed bag; some lengthy but manageable problems, easier than JEE Main.
- **Logical Reasoning:** Slightly tricky but solvable with practice; pattern-based and analytical.
- **English:** Straightforward and grammar-focused; no surprises.
- **Deleted Topics Still Appearing:** Chapters like Surface Chemistry and Polymers made unexpected appearances.
- **Commonly Repeated Topics:** Vectors, Probability, Electrostatics, GOC, Chemical Bonding.
- **Exam Format Consistency:** Consistent question distribution and timing across shifts.
- **Technical Glitches:** Minor issues like server delays and UI mismatches were reported but not widespread.
- **Shift Comparison:** No major disparity in difficulty levels across shifts.
- **Post-Exam Feedback:** Students appreciated the clarity in question phrasing but desired stricter syllabus adherence.
- **Question Types:** Mix of direct formula, conceptual understanding, and logical deduction.
- **Marking Scheme & Pattern:** Remained unchanged, helping students plan preparation more effectively.
- **Immediate Score Display:** Continued to be a key feature, aiding in instant performance evaluation.

Shift-Wise Analysis

The shift-wise analysis of BITSAT 2025 (May session) reveals a remarkable level of consistency in difficulty across all days and shifts, with most papers being rated as moderate. While the structure and pattern remained predictable, each shift carried subtle variations in question emphasis and topic distribution. For instance, May 27 and 29 shifts leaned more towards application-based Physics and Mathematics, whereas May 28 featured easier Maths with slightly more conceptual Chemistry. Minor technical issues like biometric delays or UI glitches were reported in isolated cases, particularly on May 26 (Shift 2), but they did not significantly disrupt the exam experience. Across all shifts, NCERT alignment was evident in Chemistry,

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while Vectors, Electrostatics, and Probability emerged as dominant themes in Physics and Maths. This uniformity helped maintain fairness across slots, offering a balanced playing field for all aspirants. Let's understand this through a table:

Date	Shift	Overall Difficulty	Key Highlights
May 26	Shift 1	Moderate	Standard mix of conceptual and formula-based questions; tested speed and logic.
May 26	Shift 2	Moderate	Technical glitch during biometric; no "marked for review" button; scores shown post-submission.
May 27	Shift 1	Moderate	Emphasis on Electrostatics, GOC, Vectors; slightly tricky Physics; required time management.
May 27	Shift 2	Moderate	Formula-heavy Physics; major focus on NCERT in Chemistry; fast calculations were key.
May 28	Shift 1	Moderate	Balanced questions; easy Maths; Chemistry slightly tricky despite NCERT base.
May 28	Shift 2	Moderate	Physics had solvable yet confusing questions; conceptual Chemistry; Maths remained easy.
May 29	Shift 1	Moderate	Smooth paper; minimal organic chemistry; time management important; one syllabus-related confusion.
May 29	Shift 2	Moderate	Consistent with Shift 1; focused heavily on Vectors, Binomial, LPP; Reasoning a bit tricky.
May 30	Shift 1	Moderate	Theory-based questions dominated, key focus on Modern Physics and Thermodynamics.
May 30	Shift 2	Moderate	Emphasis on Electricity and Magnetism, few tricky numerical problems.

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Physics Analysis

Physics in BITSAT 2025 (May session) tested not just knowledge but also clarity, speed, and application. While the section maintained a moderate level of difficulty across shifts, its strength lay in blending direct formula-based problems with multi-conceptual reasoning. Students needed to be quick on their feet to solve questions that, though not as intense as JEE Advanced, still required fast recall and accuracy under pressure. Key themes appeared consistently across shifts, though subtle variations and 2–3 outlier questions added an edge to certain papers.

High-Weightage Topics in Physics

- Laws Of Motion
- Electrostatics
- Thermodynamics
- Current Electricity
- Work, Energy, and Power
- Kinematics
- Rotational Motion
- Gravitation
- Oscillations & Waves
- Bernoulli's Principle / Fluid Mechanics
- Magnetic Effects of Current

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BITSAT 2025 May Session – Physics Shift-wise Analysis Table

Date	Shift	Physics Difficulty	Highlights
May 26	Shift 1	Moderate	Conceptual + formula-based; topics like vectors, magnetic fields featured.
May 26	Shift 2	Moderate	Balanced; some confusion reported due to vague instructions; standard Physics questions.
May 27	Shift 1	Moderately Tough	Multi-concept questions; tested depth in Electrostatics and Dual Nature of Matter.
May 27	Shift 2	Moderate	Formula-heavy; focused on Laws of Motion, Gravitation, and Bernoulli's Principle.
May 28	Shift 1	Moderate	Balanced; mix of formulas and conceptual clarity needed; few tricky applications.
May 28	Shift 2	Slightly Confusing	Solvable but required careful interpretation; a few conceptually layered questions.
May 29	Shift 1	Moderate	2–3 unusual questions; majority manageable with good conceptual prep.
May 29	Shift 2	Moderate	Consistent with Shift 1; key topics included Kinematics, Current Electricity, Thermodynamics
May 30	Shift 1	Moderate	Theory-based questions dominated, key focus on Modern Physics and Thermodynamics..
May 30	Shift 2	Moderate to Difficult	Emphasis on Electricity and Magnetism, few tricky numerical problems.

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Maths Analysis

Math in the BITSAT 2025 May session demanded both speed and precision, standing out for its calculation-intensive nature and broad topic coverage. While the overall level remained moderate, several shifts included lengthy or multi-step problems that required quick judgment on whether to attempt or skip. The section was slightly easier than JEE Main in terms of depth, but still tested candidates' time management skills rigorously.

Key topics such as Probability, Definite Integration, Vector 3D, and Sequences & Series were consistently present across shifts. Some shifts featured questions from Linear Programming and Differential Equations more frequently. While most questions were solvable with formula recall and standard approaches, a few required clever manipulation or substitution, which added to the time burden. Students who were well-practiced in mock tests had a clear edge in this section.

High-Weightage Topics in Mathematics

- Probability
- Permutations & Combinations
- Sequences And Series
- Definite Integration
- Differential Equations
- Vector Algebra and 3D Geometry
- Complex Numbers
- Binomial Theorem

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- Linear Programming
- Matrices & Determinants
- Coordinate Geometry
- Limits And Derivatives

BITSAT 2025 May Session – Mathematics Shift-wise Analysis Table

Date	Shift	Maths Difficulty	Highlights
May 26	Shift 1	Moderate	Formula-based; included vectors, series, coordinate geometry.
May 26	Shift 2	Moderate	Time-consuming; topics like Definite Integration and Matrices featured.
May 27	Shift 1	Moderate	Covered P&C, Vectors, 3D, Probability; manageable but lengthy.
May 27	Shift 2	Moderate	Speed essential; included LPP, Probability, and Definite Integration.
May 28	Shift 1	Easy to Moderate	Standard NCERT-aligned questions; high-scoring paper with good strategy.
May 28	Shift 2	Easy	Direct questions; faster to solve; conceptual clarity helped.
May 29	Shift 1	Moderate	Some lengthy problems; Sequences, Differential Equations featured.
May 29	Shift 2	Moderate	Included Binomial Theorem, P&C, Vectors; required steady pace and accuracy.
May 30	Shift 1	Moderate	Lengthy paper with emphasis on Calculus and 3D Geometry, some tricky coordinate geometry questions..
May 30	Shift 2	Moderate to Difficult	Focus on Vector Algebra (Matrices, Determinants) and Calculus, few time-consuming integrals.

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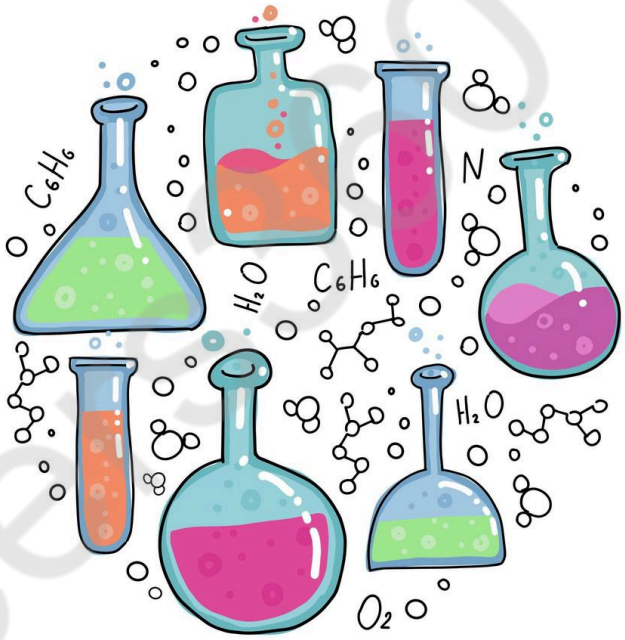
Chemistry Analysis

Chemistry in BITSAT 2025 (May session) largely mirrored NCERT content, but it surprised candidates with recurring questions from chapters that have been omitted in other entrance exams. The paper leaned heavily on theoretical understanding, particularly in Inorganic and Physical Chemistry. Organic Chemistry, although included, appeared less frequently across several shifts. The overall difficulty was moderate, though some students noted the inclusion of memory-based questions that tested detailed textual knowledge over conceptual deduction.

The section favored speed-readers with strong factual retention. Candidates who thoroughly revised NCERT, especially lesser-emphasized chapters like *Surface Chemistry*, *Polymers*, and *Environmental Chemistry*, had an advantage. Time management was easier here compared to Physics or Maths, yet precision remained important due to close distractors in options.



High-Weightage Topics in Chemistry

- **Chemical Bonding And Molecular Structure**
- **General Organic Chemistry (GOC)**
- **Surface Chemistry**
- **Redox Reactions**
- **Thermodynamics (Physical Chemistry)**
- **States Of Matter & Gas Laws**
- **Polymers & Chemistry in Everyday Life**

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- **Coordination Compounds**
- **Equilibrium (Ionic + Chemical)**
- **Environmental Chemistry**
- **P- Block Elements and d-Block Elements**
- **Solutions and Colligative Properties**

BITSAT 2025 May Session – Chemistry Shift-wise Analysis Table

Date	Shift	Chemistry Difficulty	Highlights
May 26	Shift 1	Moderate	Mostly NCERT-based; included surface chemistry; some factual theory questions.
May 26	Shift 2	Moderate	Standard distribution; memory-based; balanced Inorganic and Physical Chemistry.
May 27	Shift 1	Moderate	NCERT theory-heavy; included controversial mitosis/cell cycle question.
May 27	Shift 2	Moderate	Redox, GOC, Chemical Bonding; a few out-of-syllabus references from NCERT text.
May 28	Shift 1	Moderate	Tricky conceptual questions; slightly tilted toward application-based Physical.
May 28	Shift 2	Moderate	Conceptual clarity tested; Surface Chemistry and Colligative Properties reappeared.
May 29	Shift 1	Moderate	Polymers, d-block elements, and Equilibrium featured prominently.
May 29	Shift 2	Moderate	Emphasis on Inorganic; theory-based questions from NCERT.
May 30	Shift 1	Moderate to Difficult	Moderate to Difficult; focus on Physical Chemistry numericals and theory-heavy Coordination Compounds.
May 30	Shift 2	Moderate	Moderate; balanced paper with NCERT-based theory, emphasis on Coordination Compounds and basic Organic.

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