

THE CALL

## TARGETED FIX, 4 TO 6 WEEKS

Sample is losing 11 marks to how the paper is attempted, not to what is known. On 11 questions from topics scoring under 25 percent, attempting cost more than leaving would have. That is a rule, not a syllabus, and it is the fastest marks available.

This sitting was scored in Readiness mode, against the real blueprint at the real pace, which is the Class 11 and 12 question: where do I stand today.

DOMINANT ERROR PATTERN

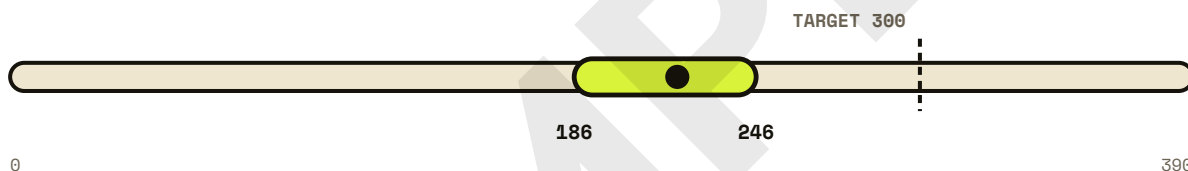
### Concept gaps

34 percent of questions were missed after full engagement with the clock. These are teachable gaps, which is the most fixable kind of loss there is.

STRENGTHS FIRST

the largest subject section is this profile's strongest section, at roughly the 86th percentile. Protect it: the commonest way to lose a strong subject is to stop practising it while rescuing a weak one.

WHERE THE STANDING SITS: BITSAT SCORE OUT OF 390



**No school year was declared at the start of this sitting.** The standing is read against the Class 12 cohort these norms are written for, with no adjustment. We adjust only on a declared class, never on a guess, because a guessed adjustment moves a standing silently. Projected **186 to 246** on the BITSAT score out of 390, around a midpoint of **220**. A diagnostic that hands you one exact number is guessing. Read the whole band as equally likely.

**Measured against:** Pilani for a mainstream branch, which is 300 marks on this scale (*product default, no goal was stated at enrolment*). Page two carries the distance to it.

WHAT THIS EXAM SAYS THAT A SCORE ALONE DOES NOT

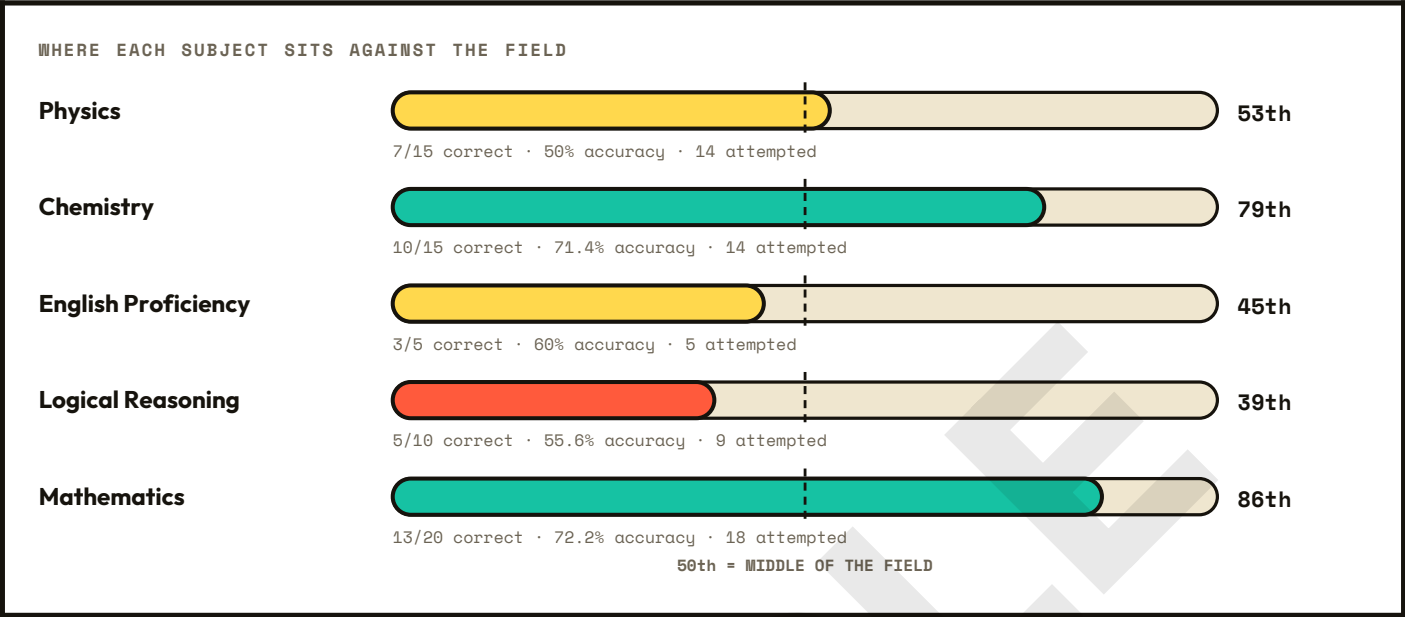
- On the bonus round, the call is: the bonus is not your lever this year. The bonus round only unlocks when all questions are attempted with none skipped, and this sitting left 5 unattempted. The first job is finishing the paper, and on a plus 3 minus 1 scheme a considered guess on an unattempted question is worth more in expectation than the whole bonus round.
- At plus 3 and minus 1, a bonus attempt at 50 percent accuracy nets 1 of a mark a question, so 8 bonus questions are worth about 8 marks. One corrected wrong answer in the main paper is worth 4 marks of swing, because it moves from minus 1 to plus 3. So the bonus round is worth about 2 corrections. If you are holding more flagged questions than that, the review is worth more than the bonus.
- That call was made from three observed things and nothing else: about 3 minutes left at completion, 0 questions flagged for review, and 38 percent accuracy on the last ten questions. In the real exam, and in this diagnostic, the moment the bonus round begins the original questions are locked and cannot be revisited or changed. A bonus round you can back out of measures nothing.
- Navigation: Mathematics is 31 percent of the marks and got 30 percent of the time, which is almost exactly its share. That is what good navigation on this paper looks like. This sitting did not record the order the sections were visited in, so the read below is about where the time went rather than about the route taken.

WHAT THE NEXT FOUR PAGES DO

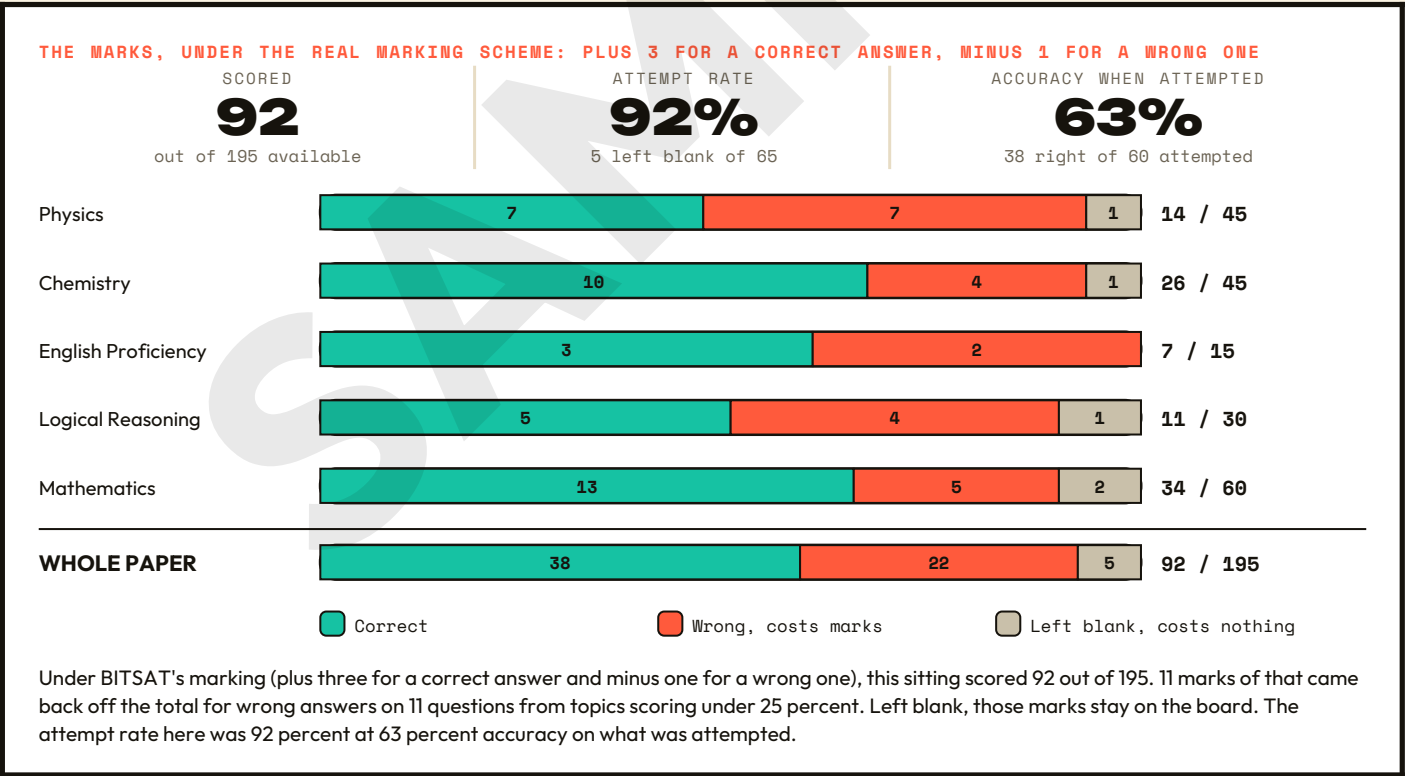
**What this hour measured:** 65 questions across 5 subjects, run at 83 seconds a question, which is BITSAT's own pace. It is a short instrument by design, so every figure in here prints as a range and none of it pretends to be a mock result.

- |          |                         |                                                                                                   |
|----------|-------------------------|---------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>THE CALL</b>         | The verdict and the one sentence behind it, before any number.                                    |
| <b>2</b> | <b>STANDING</b>         | Each subject against the field, and what the paper actually scored under the real marking scheme. |
| <b>3</b> | <b>SPEED × ACCURACY</b> | Whether the losses belong to the clock or to the content.                                         |
| <b>4</b> | <b>ERROR FORENSICS</b>  | Which topics carried the loss, and what this diagnostic deliberately did not measure.             |
| <b>5</b> | <b>THE PLAN</b>         | Four weeks, free material first, and one paragraph written for the parent.                        |

# Subject by subject, and what it scored



**Profile flag:** English Proficiency sits about 15 percentile points below this student's own average and below the middle of the field. It is the highest-yield subject to fix, because a rank is decided on the total and one subject is quietly holding that total down.



**The rule this sitting is asking for:** below about 25 percent accuracy on a topic, this exam's own arithmetic makes attempting a losing bet, because the penalty for a wrong answer outweighs the expected gain. 11 marks and 11 questions went that way here. Leaving those blank is not timidity, it is the higher score.

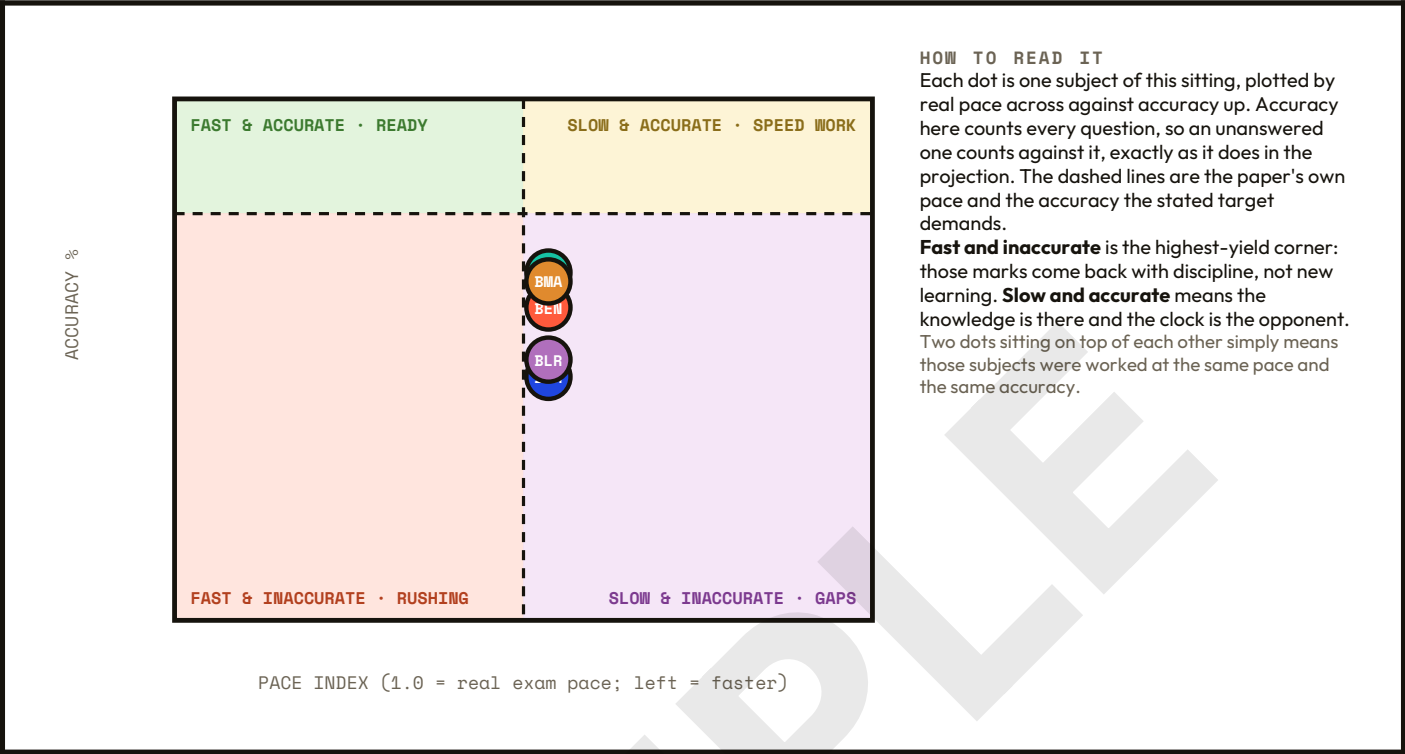
GAP TO TARGET, AND THE TIME AVAILABLE

**Goal:** Pilani for a mainstream branch, at 300 marks (*product default, no goal was stated at enrolment*).

Midpoint **220** against a goal of **300** leaves about **80 marks** to find. The plan on page five is sized to exactly that number, not to a generic syllabus.

**Runway:** about 14 weeks to the date on file.

# The signature read



| PACING VERDICTS (MEDIAN SECONDS A QUESTION AGAINST THE REAL PAPER'S OWN PACE) |                 |            |           |                                          |
|-------------------------------------------------------------------------------|-----------------|------------|-----------|------------------------------------------|
| SUBJECT                                                                       | MEDIAN VS BENCH | PACE INDEX | ZONE      | ENDURANCE                                |
| Physics                                                                       | 87.2s vs 83s    | PI 1.05    | exam pace | accuracy fell 100 pts by the final third |
| Chemistry                                                                     | 87.2s vs 83s    | PI 1.05    | exam pace | accuracy fell 100 pts by the final third |
| English Proficiency                                                           | 87.2s vs 83s    | PI 1.05    | exam pace | steady                                   |
| Logical Reasoning                                                             | 87.2s vs 83s    | PI 1.05    | exam pace | accuracy fell 100 pts by the final third |
| Mathematics                                                                   | 87.2s vs 83s    | PI 1.05    | exam pace | accuracy fell 100 pts by the final third |

WHAT THE CORNERS SAY TO DO NEXT

Where the work is: **Physics, Chemistry, English Proficiency, Logical Reasoning, Mathematics**. Slower than the paper's own pace and still under the accuracy the target needs, which is the signature of the content itself being the obstacle. Speed drills here would only make the errors arrive faster.

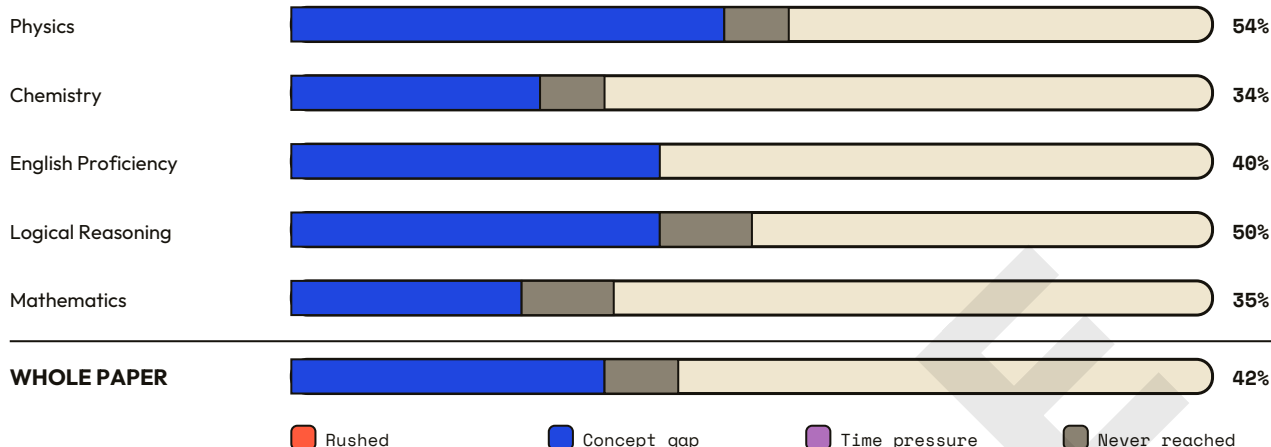
WHAT THIS MEANS

The projection prints as a range, not a single number, because a diagnostic this length cannot honestly resolve any finer, and because BITS Pilani will not either until results day. Read the whole band as equally likely. The distance to Pilani for a mainstream branch is about 80 marks. BITS publishes its cutoffs after each iteration and they move by campus, branch and year. Any figure here is a recent-year range.

**5 questions** in this sitting went to pacing (rushing, the final-third squeeze, or never being reached) rather than to not knowing the answer. Pacing questions are the cheapest to recover: every one of them is already within reach.

## Why the marks were lost

EVERY LOST MARK, CLASSIFIED (SHARE OF EACH SUBJECT'S QUESTIONS)



WHAT THE FOUR COLOURS MEAN, AND WHY THEY NEED DIFFERENT ANSWERS

**RUSHED**

Answered in under 40 percent of the time the question is worth. The knowledge was often there and the question was not read.

**CONCEPT GAP**

Answered after full engagement with the clock and still wrong. These are teachable, and they are the most fixable kind of loss there is.

**TIME PRESSURE**

Lost in the final third of a section that was already running slow. The section clock, not the topic, is what beat these.

**NEVER REACHED**

The question was not seen. Pure pacing loss, recoverable without learning anything new.

NAMED TOPICS (A PATTERN IS ONLY NAMED AFTER 3 OR MORE HITS)

**Electricity & magnetism** (Physics): 3 concept-gap errors at 40 percent accuracy. This is a topic to rebuild, not to practise faster.

**Modern physics** (Physics): 4 concept-gap errors at 0 percent accuracy. This is a topic to rebuild, not to practise faster.

**Inorganic chemistry** (Chemistry): 4 concept-gap errors at 20 percent accuracy. This is a topic to rebuild, not to practise faster.

**Trigonometry** (Mathematics): 3 concept-gap errors at 0 percent accuracy. This is a topic to rebuild, not to practise faster.

TOPIC MAP: WHAT IS MASTERED, WHAT IS DEVELOPING, WHERE TO FOCUS

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| Electricity & magnetism 40% <b>FOCUS</b>  | Vocabulary 50% <b>DEVELOPING</b>                      |
| Inorganic chemistry 20% <b>FOCUS</b>      | Algebra, progressions & counting 100% <b>MASTERED</b> |
| Figural reasoning 33% <b>FOCUS</b>        | Calculus 100% <b>MASTERED</b>                         |
| Verbal reasoning 0% <b>FOCUS</b>          | Series & pattern completion 100% <b>MASTERED</b>      |
| Modern physics 0% <b>FOCUS</b>            | Mechanics 100% <b>MASTERED</b>                        |
| Trigonometry 0% <b>FOCUS</b>              | Organic chemistry 100% <b>MASTERED</b>                |
| Coordinate geometry 60% <b>DEVELOPING</b> | Physical chemistry 100% <b>MASTERED</b>               |
| Grammar & usage 67% <b>DEVELOPING</b>     |                                                       |

Two students with the same total can carry completely different maps. The plan overleaf works this map, not the total.

NOT TESTED HERE, AND WHY

This exam also carries a board requirement the diagnostic cannot measure: 75 percent aggregate in Physics, Chemistry and Mathematics (or Biology for B.Pharm) in Class 12.

# The attempt rule first, then the topics

Start with the rule, because it pays out immediately and costs nothing.

## Week 1

• Adopt one rule: if a question is from a topic you know you score badly on, and nothing has moved in ninety seconds, leave it blank. Practise the rule on one full paper before touching any syllabus.

## Weeks 2 to 3

• Untimed accuracy work on the flagged topics only. Speed is not the goal yet, and chasing it now will bake the error in.

## Weeks 4 to 5

• Reintroduce the clock. Same topics, real pace, mixed in with topics that are already solid.

## Week 6

• One full paper at real timing. The measure of success is the error mix, not the score.

## DATES, REGISTRATION AND THE NUMBERS PEOPLE QUOTE AT YOU

Registration and exam dates for BITSAT are published by BITS Pilani and change every year, so check the official notification rather than any secondary source, including this one. With about 14 weeks in hand, build the concepts first and bring the clock in later. That order matters and it is usually done backwards.

## WHERE TO WORK, IN THIS ORDER

- **The official BITSAT sample test on the BITS admission site** (free), which is the only place the real interface and the real bonus-round behaviour can be rehearsed, filtered to the flagged topics first
- **One full paper a fortnight** at real timing, error-classified. Free, and more diagnostic than any number of untimed questions.
- If external structure is wanted after the free work is done, a short topic-specific course is reasonable. A full-year programme is not what this profile needs.

## FOR THE PARENT: THE WHOLE REPORT IN ONE PARAGRAPH

Sample's sitting produced a projected range of 186 to 246 marks on the 390-mark scale for BITSAT. Our call is one focused fix over four to six weeks, using mostly free material. The report names exactly what to fix. Separately, 11 marks went back to negative marking on topics that were not worth attempting. That one is a habit, and habits are cheap to change. 5 of the lost questions went to pacing rather than to ability. Those come back with practice discipline.

**Please read this one gently.** It is a single hour of a student's life, measured honestly and reported without flattery, and it is a starting point rather than a verdict. Every figure here is a range because a diagnostic this length cannot resolve any finer, and BITS Pilani will not publish a real number until results day. Nothing on these five pages says anything about how hard this student works or how much they can achieve.

## If you want to talk this through

Fifteen minutes on the phone, free, about what this report means and what to do first. Nothing is sold on that call, because there is no course here to sell you.

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