

BITSAT + IMU-CET

Ultimate Study Planner 2026

Based on PW JEE Ultimate Crash Course 2026
Physics · Chemistry · Mathematics · English · Logical Reasoning

★ BITSAT Session 1 | ★ IMU-CET (Tolani) | ★ COMEDK | ★ CUET

Start Date
22 March 2026

BITSAT Target
~ 2 May 2026

Weeks Available
9 Weeks

ATDB.uno

EXAM OVERVIEW & YOUR PRIORITY STRATEGY

Exam Profiles

Exam	Date (Approx)	Sections	Questions	Priority	Score Target
BITSAT Session 1	~May 20-26, 2026	Physics, Chem, Maths English, Logic	150 Qs 3 hrs	■■■■■	300+/390
IMU-CET (Tolani)	~May/June 2026	Physics, Maths English, GK/Apt	200 Qs 3 hrs	■■■■■	Top 500 rank
COMEDK	~May 2026	PCM	180 Qs	■■■	150+/180
CUET	May–June 2026	Domain + General	Varies	■■■	Good score

BITSAT Question Distribution

Subject	Questions	Marks	Time Allocation (3hr)	Key Focus
Physics	40	40 × 3 = 120	52 min	All chapters equally
Chemistry	40	40 × 3 = 120	40 min	Org Chem formulas + Inorg
Mathematics	45	45 × 3 = 135	55 min	Calculus + Algebra
English Proficiency	15	15 × 3 = 45	10 min	Grammar + Vocab
Logical Reasoning	10	10 × 3 = 30	8 min	Patterns + Analogy
TOTAL	150	450	165 min (+ 15 spare)	

9-Week Strategy Overview

Wk	Dates	Theme	Physics	Chemistry	Maths	Extra
1	Mar 22–28	Mechanics Blitz	Kinematics, WEP Circular Motion	Mole Concept Solutions	Seq & Series Det & Matrices	Eng: Grammar foundation
2	Mar 29– Apr 4	Thermal + Modern Phy	Kinetic Theory Dual Nature+Atoms	Thermodynamics Equilibrium	Binomial Vectors	Eng: Vocab LR: Series
3	Apr 5–11	E&M + Optics	Electrostatics Current Elec	Electrochemistry Chem Kinetics	3D Geometry Straight Lines	LR: Analogy GK: Marine
4	Apr 12–18	Oscillations + Waves	Gravitation Oscillations EMI	Inorganic: Periodic, Bonding	Circles Conics	Eng: RC IMU-CET GK
5	Apr 19–25	Remaining Physics	EM Waves, Ray Optics, AC, SHM	Organic: GOC Isomerism Hydrocarbon	Quadratic Complex No.	Eng: Writing LR: Non-verbal
6	Apr 26– May 2	Organic Chem Focus	Rotating + Fluids Semiconductors	Haloalkanes Alcohols Carbonyl Cpds	P&C Probability Statistics	IMU GK: Shipping laws
7	May 3–9	Calculus Blitz	Revision: Modern + Mechanics	Amines Biomolecules Inorganic fin.	Limits+Diff Integration Diff Eqn	Eng: Full paper practice
8	May 10–16	Mock Week 1	Full Mock Tests Analysis	Error analysis weak spots	Trigonometry Solutions of Tri	2 Full BITSAT Mock tests
9	May 17–24	FINAL Revision	Flashcard Rev High-yield Qs	Flash Rev Formula sheets	Flash Rev Prev yr Qs	3 Full Mocks + Last 48hr Rev

■ DAILY SCHEDULE TEMPLATE (How to Fit It All)

The PW JEE Crash Course ran Oct 2025 – Jan 2026. You now use it as **recorded lecture revision**. Each lecture is ~1.5 hrs. Plan: watch at 1.5× speed = ~60 min. Then 30-min DPP. Below is your daily timetable to cover everything.

Time Slot	Activity	Duration	Notes
5:30 – 6:00 AM	Wake up, freshen, light exercise	30 min	Non-negotiable for brain health
6:00 – 7:30 AM	■ Physics Lecture (PW recorded @ 1.5×)	90 min	1 lecture per day Mon–Sat
7:30 – 8:00 AM	Physics DPP / Practice Qs	30 min	10-15 questions from chapter
8:00 – 8:30 AM	Breakfast + short break	30 min	
8:30 – 10:00 AM	■ Chemistry Lecture (PW recorded @ 1.5×)	90 min	Rotate Phy/Org/Inorg as per week plan
10:00 – 10:30 AM	Chemistry DPP	30 min	
10:30 – 10:45 AM	Short break / walk	15 min	
10:45 AM – 12:15 PM	■ Mathematics Lecture (PW recorded @ 1.5×)	90 min	
12:15 – 12:45 PM	Maths DPP	30 min	
12:45 – 2:00 PM	Lunch + rest (no phone)	75 min	Rest is revision too
2:00 – 3:00 PM	■ Self-study / Notes writing / Flashcards	60 min	Write key formulae, reactions
3:00 – 3:45 PM	■ English Proficiency practice	45 min	Grammar / Vocab / RC alternate days
3:45 – 4:30 PM	■ Logical Reasoning / MCQ (MATHS/PHYS)	45 min	Series, Analogy, Marine GK
4:30 – 5:00 PM	Tea break + walk	30 min	
5:00 – 6:30 PM	Weak chapter revision / Previous year Qs	90 min	Rotate as per day plan
6:30 – 7:00 PM	Flashcard review session	30 min	Use spaced repetition
7:00 – 8:00 PM	Dinner + family time	60 min	
8:00 – 9:30 PM	Mock test section / Full mock (Wk 8–9)	90 min	Wk1-7: section tests; Wk8-9: full mocks
9:30 – 10:00 PM	Tomorrow's prep: read topics, note doubts	30 min	
10:00 PM	SLEEP	8 hrs	Critical for memory consolidation

■ **Sunday = Rest + Mock + Review Day:** Take 1 full BITSAT mock (from Wk 4 onwards), analyse mistakes for 2 hrs, and do light revision only. No new lectures on Sunday.

WEEK 01 | 22 Mar – 28 Mar 2026 | Mechanics Foundation Blitz

■ **Week Goal:** Cover the core mechanics chapters that appear in EVERY entrance exam. These are your easiest score boosters.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 22	Intro + Planning (this planner!)	Mole Concept L1	Seq & Series L1	Eng: Tenses Grammar	Plan week, set up Flashcard deck
Mon 23	Kinetic Theory L1 (Manish Sir)	Mole Concept L2	Seq & Series L2	Vocab: 20 words	PHY DPP 01 + CHEM DPP 01
Tue 24	Motion Str. Line L1	Solutions L1	Det & Matrices L1	LR: Number Series 10 Qs	PHY DPP 02
Wed 25	Motion Str. Line L2	Solutions L2	Det & Matrices L2	Eng: Prepositions	CHEM DPP 02 + MATH DPP 01
Thu 26	Dual Nature L1	Solutions L3	Det & Matrices L3	Vocab: 20 words	MATH DPP 02
Fri 27	Atoms L1	Thermo L1	Binomial Thm L1	LR: Letter Series 10 Qs	Review flashcards
Sat 28	Nuclei L1	Thermo L2	Binomial Thm L2	GK: IMU-CET basic shipping intro	Wk 1 Mini Test (30 Qs, 45 min)

WEEK 02 | 29 Mar – 4 Apr 2026 | Modern Physics + Vectors + Organic Intro

■ **Week Goal:** Complete Modern Physics (high yield for BITSAT), begin Organic GOC, and build your vector foundation.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 29	Modern Physics Revision (all 3 lecs)	Thermo L3 + L4	Binomial L2 + Rev	Eng: Articles Conjunctions	Sunday Mock: Wk 1 syllabus
Mon 30	Motion in Plane L1	Equilibrium L1	Vector Algebra L1	Vocab: 20 words	PHY DPP 03
Tue 31	Motion in Plane L2	Equilibrium L2	Vector Algebra L2	LR: Odd one out	CHEM DPP 03
Wed 1 Apr	Laws of Motion L1	Equilibrium L3	3D Geometry L1	Eng: Synonyms Antonyms (20 pairs)	MATH DPP 03
Thu 2	Laws of Motion L2	Equilibrium L4	3D Geometry L2	Vocab: 20 words	PHY DPP 04 + Rev
Fri 3	Circular Motion L1	Electrochemistry L1	Straight Lines L1	LR: Analogy 10 Qs	CHEM DPP 04
Sat 4	Circular Motion L2	Electrochemistry L2	Straight Lines L2	GK: Types of ships IMU syllabus intro	Wk 2 Mini Test (30 Qs, 45 min)

WEEK 03 | 5 Apr – 11 Apr 2026 | Thermal + E&M; + Coordinate Geometry

■ **Week Goal:** Finish all electricity & magnetism basics. Coordinate geometry is heavy in BITSAT Maths — go deep here.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 5	Laws+Circular Full revision	Electrochemistry L3 + Rev	Straight Lines Rev + Practice	Eng: Reading Comp (1 passage)	Sunday Mini Mock
Mon 6	Thermal Props L1	Chem Kinetics L1	Circles L1	Vocab: 20 words	PHY DPP 05
Tue 7	Thermal Props L2	Chem Kinetics L2	Circles L2	LR: Direction sense	CHEM DPP 05

Wed 8	WEP L1	Chem Kinetics L3	Conics: Parabola + Ellipse L1	Eng: Voice change Active/Passive	MATH DPP 04
Thu 9	WEP L2	Structure of Atom L1	Conics L2	Vocab: 20 words	PHY DPP 06
Fri 10	Electrostatics + Capacitance L1	Structure of Atom L2	Conics L3	LR: Blood relations 10 Qs	CHEM DPP 06
Sat 11	Electrostatics L2	Redox Reaction L1	Conics: Hyperbola L1	GK: Navigation terms IMU	Wk 3 Mini Test (45 Qs, 60 min)

WEEK 04 | 12 Apr – 18 Apr 2026 | Gravitation + Inorganic Chem + Algebra

Week Goal: Inorganic Chemistry is pure memory — start NOW while you still have 5+ weeks. Algebra carries 15+ Qs in BITSAT Maths.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 12	E&M Full revision (Lecs + DPPs)	Redox L2 + Rev All Phy Chem	Conics revision + prev yr Qs	Eng: Full RC 2 passages	Sunday Half Mock (75 Qs, 90 min)
Mon 13	Gravitation L1	Inorg: Periodic Table L1	Quadratic Eqn L1	Vocab: 20 words	PHY DPP 07
Tue 14	Gravitation L2	Inorg: Periodic Table L2	Quadratic Eqn L2	LR: Coding-Decoding	CHEM DPP 07
Wed 15	Current Elec L1	Inorg: Chem Bonding L1	Complex Numbers L1	Eng: Sentence correction 20 Qs	MATH DPP 05
Thu 16	Current Elec L2	Inorg: Chem Bonding L2	Complex Numbers L2	Vocab: 20 words	PHY DPP 08
Fri 17	Centre of Mass L1	Inorg: Chem Bonding L3	P&C L1	LR: Visual patterns 10 Qs	CHEM DPP 08
Sat 18	Centre of Mass L2	Inorg: Coord Cmpds L1	P&C L2	GK: Tolani Maritime Institute focus	Wk 4 Mini Test (45 Qs, 60 min)

WEEK 05 | 19 Apr – 25 Apr 2026 | Organic Chemistry + Calculus Foundation

Week Goal: Organic Chem is the score separator in BITSAT Chemistry. Calculus (LCD + Derivatives) = 10+ Qs in Maths. Critical week.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 19	Gravitation + Current Rev	Inorg: Coord Cmpds L2+L3	P&C Rev + Stats L1	Eng: Spotting errors 20 Qs	Sunday Half Mock (75 Qs, 90 min)
Mon 20	Capacitor L1 (deep dive)	Org: GOC L1 (Ankur Sir)	Statistics L2	Vocab: 20 words	PHY DPP 09
Tue 21	Capacitor L2	Org: GOC L2	Sets & Relations L1	LR: Figure Matrix	CHEM DPP 09
Wed 22	Rotational Motion L1	Org: GOC L3	Functions L1	Eng: Cloze test 1 passage	MATH DPP 06
Thu 23	Rotational Motion L2	Org: GOC L4 + Isomerism L1	Functions L2	Vocab: 20 words	PHY DPP 10

Fri 24	Rotational Motion L3+L4	Org: Isomerism L2+L3+L4	ITF L1 + L2	LR: Syllogism 10 Qs	CHEM DPP 10
Sat 25	Moving Charges + Magnetism L1	Org: Hydrocarbon L1+L2	LCD (Limits) L1	GK: Maritime GK 20 Qs practice	Wk 5 Mini Test (60 Qs, 75 min)

WEEK 06 | 26 Apr – 2 May 2026 | Calculus Deep Dive + Remaining Organic

■ **Week Goal:** Calculus is the BIGGEST chapter group in JEE/BITSAT Maths. Don't rush it. Finish Organic reactions — make reaction maps.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 26	Rotational + Magnetism Rev	Hydrocarbon L3+L4+L5	LCD L2 + L3	Eng: Full RC 3 passages (timed)	Sunday Full Mock (150 Qs, 3 hrs) ■
Mon 27	Moving Charges L2	Org: Haloalkanes L1+L2	Method of Diff L1+L2	Vocab: 20 words	PHY DPP 11
Tue 28	Oscillations L1	Org: Haloalkanes L3+L4	AOD L1	LR: Data Sufficiency	CHEM DPP 11
Wed 29	Oscillations L2	Org: Alcohols Phenols L1	AOD L2	Eng: Idioms Phrasal verbs	MATH DPP 07
Thu 30	EMI L1	Org: Alcohols Phenols L2	Definite Integ L1	Vocab: 20 words	PHY DPP 12
Fri 1 May	EMI L2	Org: Carbonyl cpds L1+L2	Definite Integ L2	LR: Series 20 Qs	CHEM DPP 12
Sat 2	Mech Props Solids L1+L2	Org: Carbon L1 + Amines L1	Indefinite Integ L1	GK: STCW SM Code basics	Wk 6 Mini Test (75 Qs, 90 min)

WEEK 07 | 3 May – 9 May 2026 | AC Circuits + Remaining + Integration Complete

■ **Week Goal:** Finish all remaining lectures. By end of this week, EVERY chapter should have been covered at least once.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 3	Full revision: Oscillations+EMI	Amines L2 Biomolecules L1+L2	Indefinite Integ L2 + Rev	Eng: Full length paper practice	Sunday Full Mock (150 Qs, 3 hrs) ■
Mon 4	AC Circuits L1 + L2	Inorg: Salt Analysis L1+L2+L3	App of Integ L1+L2	Vocab: 20 words	PHY DPP 13
Tue 5	Mech Fluids L1+L2	Inorg: S-block + P-block L1	Diff Equation L1+L2	LR: Clock problems	CHEM DPP 13
Wed 6	Semiconductors L1+L2	Inorg: P-block L2+L3	Trig Functions L1+L2	Eng: Sentence rearrangement	MATH DPP 08
Thu 7	Waves L1+L2	Inorg: d-f block + Hydrogen	Trig Equations L1+L2	Vocab: 20 words	PHY DPP 14
Fri 8	Wave Optics L1+L2	Inorg: Metallurgy + IUPAC + Puri.	Probability L1+L2	LR: Calendar Qs	CHEM DPP 14
Sat 9	Ray Optics L1+L2+L3+L4	Org: IUPAC + Purification Rev	Sol of Triangle L1+L2	GK: Port + Vessel Types IMU	Wk 7 Mini Test (75 Qs, 90 min)

WEEK 08 | 10 May – 16 May 2026 | MOCK WEEK 1 — Error Analysis + Targeted Revision

■ **Week Goal:** NO new lectures. Full mocks only. Identify weak spots. Revise only those chapters. English + LR must be perfected this week.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 10	Units & Measurements EM Waves (complete)	COMPLETE any pending lectures	COMPLETE any pending topics	Eng: All rules quick revision	Complete all pending DPPs
Mon 11	FULL MOCK #1 (BITSAT pattern)	→ 150 Qs, 3 hrs	→ Strict timing	→ ALL sections	Analyse errors: 3-col method
Tue 12	Physics weak chapters revision	Chemistry weak chapters revision	Maths weak areas revision	Eng: 30 Qs focused practice	Error notebook update
Wed 13	FULL MOCK #2 (BITSAT pattern)	→ 150 Qs, 3 hrs	→ Strict timing	→ Try to beat Mock #1 score	Analyse + error notebook
Thu 14	Physics: formula flashcard blitz	Chem: reaction mechanism cards	Maths: formula cheat sheet	LR: 40 Qs full practice	Flashcard review (all subjects)
Fri 15	FULL MOCK #3 (IMU-CET pattern)	→ 200 Qs, 3 hrs	→ Incl. GK section	→ English section	Analyse IMU pattern gaps
Sat 16	Targeted revision: top 3 weak areas	Targeted revision: top 3 weak areas	Targeted revision: top 3 weak areas	GK: 30-min revision sprint	Prepare flashcard deck

WEEK 09 | 17 May – 22 May 2026 | FINAL SPRINT — Flashcards + Mocks + Stay Calm

■ **Week Goal:** Don't start new topics. Consolidate, practice, and stay mentally sharp. The exam is won in these final 6 days.

Day	Physics	Chemistry	Mathematics	Extra (Eng/LR/GK)	DPP / Task
Sun 17	Flashcard: ALL Physics formulae	Flashcard: ALL Chemistry reactions	Flashcard: ALL Maths formulae	Eng: 30 Qs final practice	FULL MOCK #4 (3 hrs) ■
Mon 18	High yield Qs: Modern + Optics	High yield Qs: Org Chem + Inorg	High yield Qs: Calculus + Algebra	LR: 20 Qs revision	Mock analysis + error count
Tue 19	FULL MOCK #5 (Final practice)	→ Target: personal best score	→ All 5 sections	→ 3 hrs strict	Note: exam venue, timing
Wed 20	Light revision only (2-3 hrs max)	Formula sheets read-through	Key theorems read-through	Vocab revision 20 words	Relax evening, good sleep ■
Thu 21	DAY BEFORE EXAM	Flashcards only (1 hr max)	Formulae only (1 hr max)	Nothing new. Rest.	Sleep by 9 PM ■ IMPORTANT
Fri 22	■ BITSAT SESSION 1 EXAM	Reach venue 45 min early	Carry ID + admit card	Stay calm, be confident	YOU'VE GOT THIS! ■

■ COMPLETE CHAPTER CHECKLIST

Mark each chapter: ■ = Not started → ½ = In progress → ✓ = Done → ★ = Revised

PHYSICS (29 Chapters)

■ Kinetic Theory & Thermodynamics	■ Motion in a Straight Line
■ Dual Nature of Radiation & Matter	■ Atoms
■ Nuclei / Modern Physics	■ Motion in a Plane
■ Laws of Motion	■ Circular Motion
■ Thermal Properties of Matter	■ Work, Energy and Power
■ Electrostatic Potential & Capacitance	■ Gravitation
■ Current Electricity	■ Centre of Mass & System of Particles
■ Capacitor (Advanced)	■ Rotational Motion
■ Moving Charges and Magnetism	■ Oscillations
■ Electromagnetic Induction	■ Mechanical Properties of Solids
■ Alternating Current	■ Mechanical Properties of Fluids
■ Semiconductor Electronics	■ Waves
■ Wave Optics	■ Units and Measurements
■ EM Waves	■ Ray Optics and Optical Instruments
■ Communication Systems (BITSAT only)	

CHEMISTRY — Physical (8 Chapters)

■ Some Basic Concepts of Chemistry (Mole Concept)	■ Solutions
■ Thermodynamics & Thermochemistry	■ Equilibrium
■ Electrochemistry	■ Chemical Kinetics
■ Structure of Atom	■ Redox Reactions

CHEMISTRY — Inorganic (8 Chapters)

■ Classification of Elements & Periodicity	■ Chemical Bonding & Molecular Structure
■ Coordination Compounds	■ Salt Analysis (Qualitative)
■ S-block Elements	■ P-block Elements
■ d & f-Block Elements	■ Hydrogen & its Compounds
■ General Principles of Metallurgy	

CHEMISTRY — Organic (10 Chapters)

■ GOC — General Organic Chemistry	■ IUPAC Nomenclature
■ Isomerism	■ Hydrocarbons
■ Haloalkanes & Haloarenes	■ Alcohols, Phenols & Ethers
■ Aldehydes, Ketones & Carboxylic Acids	■ Amines

■ Biomolecules	■ Purification Methods (BITSAT)
----------------	---------------------------------

MATHEMATICS (28 Chapters)

■ Sequence and Series	■ Determinants & Matrices
■ Binomial Theorem	■ Vector Algebra
■ Three Dimensional Geometry	■ Straight Lines
■ Circles	■ Conic Sections: Parabola
■ Conic Sections: Ellipse	■ Conic Sections: Hyperbola
■ Quadratic Equations	■ Complex Numbers
■ Permutations & Combinations	■ Statistics
■ Sets & Relations	■ Functions
■ Inverse Trigonometric Functions	■ Limits, Continuity & Differentiability
■ Method of Differentiation	■ Application of Derivatives
■ Definite Integration	■ Indefinite Integration
■ Application of Integrals	■ Differential Equations
■ Trigonometric Functions	■ Trigonometric Equations
■ Probability	■ Solutions of Triangle
■ Mathematical Reasoning (BITSAT extra)	

ENGLISH PROFICIENCY (BITSAT + IMU-CET)

■ Grammar: Tenses (12 tenses)	■ Grammar: Articles (a/an/the)
■ Grammar: Prepositions	■ Grammar: Conjunctions & Clauses
■ Grammar: Active & Passive Voice	■ Grammar: Direct & Indirect Speech
■ Vocabulary: Synonyms (100 pairs)	■ Vocabulary: Antonyms (100 pairs)
■ Vocabulary: One-word Substitution	■ Vocabulary: Idioms & Phrases
■ Reading Comprehension (10 passages)	■ Sentence Correction / Error Spotting
■ Para Jumbles / Sentence Ordering	■ Fill in the Blanks (vocab based)
■ Cloze Test Practice (5 passages)	

LOGICAL REASONING (BITSAT) + GK (IMU-CET)

■ Number Series	■ Letter/Alphabet Series
■ Analogy — Verbal	■ Analogy — Non-verbal
■ Odd One Out / Classification	■ Coding-Decoding
■ Blood Relations	■ Direction Sense
■ Clocks & Calendars	■ Seating Arrangement
■ Syllogisms	■ Figure Matrix / Pattern
■ Data Sufficiency	■ IMU-CET: Maritime GK
■ IMU-CET: Ships & Vessels Types	■ IMU-CET: STCW / ISM Code basics

■ IMU-CET: Famous Ports (India + World)

■ IMU-CET: Navigation Basics

ATDB.uno

■ DPP TRACKER + SCORE LOG

Log every DPP you complete. Target: attempt DPP within 2 hours of watching the lecture. Score = (Correct × 4 – Wrong × 1). A score >60% means you're good to move on. <60%: revise the lecture notes first.

#	Date	Subject	Chapter / Lecture	Qs Attempted	Correct	Wrong	Score	% Score	Needs Revision?
1	___/___/___	___	_____	___	___	___	___	___%	Yes / No
2	___/___/___	___	_____	___	___	___	___	___%	Yes / No
3	___/___/___	___	_____	___	___	___	___	___%	Yes / No
4	___/___/___	___	_____	___	___	___	___	___%	Yes / No
5	___/___/___	___	_____	___	___	___	___	___%	Yes / No
6	___/___/___	___	_____	___	___	___	___	___%	Yes / No
7	___/___/___	___	_____	___	___	___	___	___%	Yes / No
8	___/___/___	___	_____	___	___	___	___	___%	Yes / No
9	___/___/___	___	_____	___	___	___	___	___%	Yes / No
10	___/___/___	___	_____	___	___	___	___	___%	Yes / No
11	___/___/___	___	_____	___	___	___	___	___%	Yes / No
12	___/___/___	___	_____	___	___	___	___	___%	Yes / No
13	___/___/___	___	_____	___	___	___	___	___%	Yes / No
14	___/___/___	___	_____	___	___	___	___	___%	Yes / No
15	___/___/___	___	_____	___	___	___	___	___%	Yes / No
16	___/___/___	___	_____	___	___	___	___	___%	Yes / No
17	___/___/___	___	_____	___	___	___	___	___%	Yes / No
18	___/___/___	___	_____	___	___	___	___	___%	Yes / No
19	___/___/___	___	_____	___	___	___	___	___%	Yes / No
20	___/___/___	___	_____	___	___	___	___	___%	Yes / No
21	___/___/___	___	_____	___	___	___	___	___%	Yes / No
22	___/___/___	___	_____	___	___	___	___	___%	Yes / No
23	___/___/___	___	_____	___	___	___	___	___%	Yes / No
24	___/___/___	___	_____	___	___	___	___	___%	Yes / No
25	___/___/___	___	_____	___	___	___	___	___%	Yes / No
26	___/___/___	___	_____	___	___	___	___	___%	Yes / No
27	___/___/___	___	_____	___	___	___	___	___%	Yes / No
28	___/___/___	___	_____	___	___	___	___	___%	Yes / No
29	___/___/___	___	_____	___	___	___	___	___%	Yes / No
30	___/___/___	___	_____	___	___	___	___	___%	Yes / No

ATDB.uno

MOCK TEST LOG & SCORE TRACKER

Take at least **8 full mocks** before BITSAT Session 1. After each mock, fill this table and identify your **top 3 weak areas**.

Mock #	Date	Type	Physics /40	Chem /40	Maths /45	Eng /15	LR /10	Total /150	Target Areas
1	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
2	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
3	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
4	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
5	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
6	___/___	BITSAT	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
7	___/___	IMU-CET	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____
8	___/___	IMU-CET	___/40	___/40	___/45	___/15	___/10	___/150	1. _____ 2. _____



Score Progression Target

Mock	Expected Minimum	Good Score	Target Score
Mock 1 (Wk 4)	100/150	120/150	130+/150
Mock 2 (Wk 5)	110/150	130/150	140+/150
Mock 3 (Wk 6)	120/150	140/150	150+/150
Mock 4 (Wk 7)	130/150	150/150	160+/150 (with bonus)
Mock 5 (Wk 8)	140/150	160/150	170+
Mock 6-8 (Wk 9)	150/150	170/150	175+ (near exam)

■ FLASHCARD REVISION GUIDE

Flashcards are your secret weapon for the last 2 weeks. Make them as you study each chapter. Below are the MUST-MAKE flashcard topics for maximum BITSAT score.

PHYSICS FLASHCARDS

■ All kinematics equations (10 formulae)	■ Thermodynamics: 1st & 2nd law, specific heats
■ Modern Physics: de Broglie, photoelectric formulae	■ Optics: mirror/lens formulae, refraction laws
■ EMI: Faraday's law, Lenz's law formulae	■ SHM: all 6 key formulae
■ Rotational: MOI of standard bodies	■ AC Circuits: impedance, resonance formulae
■ Electrostatics: Coulomb's law, capacitor combos	■ Current: Kirchhoff's laws, Wheatstone bridge

CHEMISTRY FLASHCARDS

■ Mole concept: all interconversions	■ Solutions: Raoult's law, colligative properties
■ Thermodynamics: ΔG , ΔH , ΔS formulae	■ Equilibrium: K_p , K_c , Henderson equation
■ Electrochemistry: Nernst equation, EMF	■ Chemical Kinetics: rate laws, half-life
■ Organic: Named reactions (25 key reactions)	■ Organic: Functional group tests
■ Inorganic: Periodic trends (8 properties)	■ Chemical Bonding: VSEPR shapes (10 molecules)

MATHEMATICS FLASHCARDS

■ Integration formulae (30 standard integrals)	■ Differentiation formulae (20 standard)
■ 3D Geometry: distance, angle formulae	■ Conic Sections: 4 conics — all standard forms
■ Complex Numbers: de Moivre's theorem	■ P&C: nPr , nCr formulae + key results
■ Probability: Bayes theorem, conditional prob	■ Trigonometry: all compound angle formulae
■ Matrices: determinant properties, inverse	■ Binomial: general term, middle term

ENGLISH FLASHCARDS

■ Articles: 10 key rules with examples	■ Prepositions: 20 common collocations
■ Vocab: 200 high-frequency synonyms	■ Vocab: 100 antonym pairs
■ Idioms: 50 common idioms	■ Grammar: Tense rules summary card
■ One-word substitutions: 50 key ones	■ Confusable words: affect/effect, etc.

■ IMU-CET (TOLANI) SPECIAL PREPARATION GUIDE

IMU-CET (Indian Maritime University Common Entrance Test) for Tolani Maritime Institute (TMI) requires the same PCM base as BITSAT, plus English and a **General Knowledge / Aptitude** section with maritime flavour. Here's your focused add-on plan:

IMU-CET Pattern

Section	Questions	Marks	Key Topics
Mathematics	50	50	Full JEE Maths syllabus (same as BITSAT)
Physics	50	50	Full JEE Physics (same as BITSAT)
English	25	25	Grammar, Vocabulary, Reading Comprehension
General Aptitude	25	25	Logical Reasoning + Basic GK
Chemistry	50	50	Full JEE Chemistry (same as BITSAT)
TOTAL	200	200	Duration: 3 hours

IMU-CET GK / Maritime Awareness Topics to Cover

- Types of merchant vessels: bulk carrier, tanker, container, Ro-Ro, LPG carrier
- Types of certificates: COC, COP, STCW basic safety certificates
- SOLAS Convention basics — what it is, Mar a amendments
- ISM Code — what it covers, SMS (Safety Management System)
- SOLAS — basic convention purpose
- MARPOL — marine pollution prevention, 6 annexes overview
- Important Indian ports: Mumbai, Chennai, Kolkata, Kandla, Paradip, Visakhapatnam
- Important world ports: Singapore, Rotterdam, Shanghai, Dubai
- Flag state vs Port state control
- IMO — International Maritime Organization (UN agency for shipping)
- Gross Tonnage (GT), Net Tonnage (NT), Deadweight Tonnage (DWT)
- Tolani Maritime Institute — location (Pune), programs offered, ranking
- Navigation basics: latitude, longitude, magnetic compass deviation
- Watch-keeping basics (COLREGS awareness)
- Life-saving appliances: lifeboat, life raft, EPIRB basics

■ IMU-CET Daily Add-on (15–20 min/day)

- Mon/Wed/Fri: Maritime GK — read 2–3 topics from the list above, make flashcards
- Tue/Thu/Sat: English section practice — 10–15 targeted questions
- Sunday: Attempt 1 full IMU-CET mock (available on PW app or JEEMAIN.guru)
- Since PCM is shared with BITSAT, no extra time needed for those sections.

ATDB.uno

POWER TIPS + RESOURCES

BITSAT Specific Tips

- BITSAT has NO upper limit on score — extra questions (bonus) are available if you finish early. Aim to finish in 2:30 hrs to attempt the bonus 12 Qs.
- The bonus section gives 12 extra questions. If you're scoring 150+, the bonus can push you to 180+. Practice speed.
- There is NO sectional time limit in BITSAT — plan to do Maths first (hardest), then Physics, then Chemistry, then English+LR last (easiest, quickest).
- Negative marking: -1 for wrong. Never guess blindly. If you can eliminate 2 options, guess from the remaining 2.
- All questions are MCQ (4 options). No integer type unlike JEE. Easier pattern — trust your crash course preparation.
- Practice on the BITSAT official mock at <https://bitsatexams.com> — it replicates the exact interface.

PW JEE Crash Course Usage Strategy

- Watch lectures at 1.5x speed (saves ~30 min per lecture). PW app supports variable speed.
- Pause and solve examples yourself before watching the solution — active recall > passive watching.
- Download DPP PDFs from PW library link (<https://smart.link/sdfez8ejd80if>) for every chapter.
- After watching, immediately write a 5-point summary of the lecture in your notebook — this IS your flashcard base.
- The MIC (Main Idea Concepts) and MIP (Main Idea Practice) columns in the planner show which lectures are concept-heavy vs practice-heavy.
- Faculty contact hours: Manish Singh Tak (Physics), Amit Mahajan (Phy Chem), Amitabh Sharma (Inorganic), Ankur Gupta (Organic), Ashish Aggrawal (Maths).

Memory & Revision System (Spaced Repetition)

- Use the Leitner Box system: Flash cards answered correctly 3 times move to 'mastered' pile. Wrong cards repeat next day.
- Revise every chapter at least 3 times before the exam: Day of lecture → 3 days later → 7 days later.
- Organic Chemistry reactions: make a 'reaction map' on A3 paper — GOC → Hydrocarbons → Haloalkanes → Alcohols (chain of transformations).
- For Inorganic: Use mnemonics. Example — s-block alkali metals: 'Li Na K Rb Cs Fr' = 'Little Nancy Keeps Rubbing Cats Furiously'.
- Mathematics formulae: Write in a dedicated formula notebook. Read it every morning for 10 min.

High-Yield Chapters (Score Maximum in Minimum Time)

- Physics: Modern Physics (Photoelectric, de Broglie) — 3-4 Qs in BITSAT, mostly formulaic.
- Physics: Ray Optics — 3-4 Qs, all formula-based. Master the sign convention once, solve all.
- Chemistry: Mole Concept + Solutions — 5-6 Qs combined, very reliable if formulae are clear.
- Chemistry: Organic Name Reactions — 4-5 Qs on mechanism/product prediction. Memorise 20 key reactions.
- Mathematics: Integration — 6-8 Qs. Learn the 30 standard integral forms. Most questions are direct.
- Mathematics: Coordinate Geometry (Circles + Conics) — 8-10 Qs. Very formula-driven.
- English: Synonyms/Antonyms — 6-8 Qs. Learn 200 word pairs. Guaranteed score.
- LR: Number Series, Analogy — 5-6 Qs combined. Practice 200 each type and patterns repeat.

Free Resources to Use

Resource	Link / Location	Best For
PW App/Web	https://smart.link/7wwosivoicgd4	All JEE Crash Course lectures + DPPs
PW Library	https://smart.link/sdfez8ejd80if	Download DPP PDFs for every chapter

BITSAT Official Mock	bitsatexams.com	Exact exam interface practice
IMU-CET Practice	imuedu.in / nta.ac.in	Official IMU-CET pattern papers
Vocab Builder	Wordweb app or Magoosh flashcards	English Proficiency — 200+ words
LR Practice	IndiaBix.com (Reasoning section)	Free Logical Reasoning practice sets
Maritime GK	Marine Insight (marineinsight.com)	IMU-CET specific marine awareness
Formula Sheets	Make your own from PW lectures	Daily 10-min morning read

■ **YOU HAVE EVERYTHING YOU NEED.** The JEE Ultimate Crash Course covers 100% of BITSAT and IMU-CET PCM syllabus. Your only job now is consistent execution of this planner. 9 weeks × disciplined effort = BITSAT + Tolani Maritime. **Best of luck!** ■

ATDB.uno