

## PLANNER for "TWO YEARS COURSE" ENGINEERING ASPIRANTS (2023 - 25) for APRIL & MAY batches

Pre - Class work to be finished on *STEPapp* (a unique gamified approach to strengthen basics of every child). Centre managers & Faculties should ensure that every student is given pre class work before a topic is started and then monitor their performance on daily basis.

**Major Test Timings (Offline) :** JEE Main format exam on Saturdays (3 to 6) PM ; JEE Advanced format exam on Sundays Paper - I : 9 AM to 12 PM & Paper - II : 1 PM to 4 PM

MATHEMATICS				PHYSICS				CHEMISTRY			
TOPIC (Track - 1)	TOPIC (Track - 2)	CODE	NO. OF HOURS	TOPIC (Track - 1)	TOPIC (Track - 2)	CODE	NO. OF HOURS	TOPIC (Track - 1)	TOPIC (Track - 2)	CODE	NO. OF HOURS
BASIC MATHEMATICS		B & M	8	VECTORS		VE	12	MOLE CONCEPT		MC	22
TRIGO RATIOS & IDENTITIES		TR	22	CALCULUS FOR PHYSICS		CP	14	ATOMIC STRUCTURE		AS	24
QUADRATIC EQUATIONS		QE	20	KINEMATICS		KM	28	PERIODIC TABLE		PT	12

### MAJOR TEST - 1 (29th & 30th JULY)

TRIGONOMETRIC EQUATIONS		TE	12	UNIT & DIMENSION, ERRORS & MEASUREMENTS		U & D	6	CHEMICAL BONDING		CB	24
INEQUATIONS & LOGARITHMS		IN	16	LAWS OF MOTION & FRICTION		LOM	28	GASEOUS STATE		GS	22
SEQUENCE & SERIES		SS	18	CIRCULAR MOTION		CM	10	THERMOCHEMISTRY		TH	24
BINOMIAL THEOREM		BT	16	WORK POWER ENERGY		WPE	16				

### MAJOR TEST - 2 (28th & 29th OCTOBER)

PERMUTATION & COMBINATION		PC	20	CENTRE OF MASS & COLLISIONS		COM	22	CHEMICAL EQUILIBRIUM		CE	12
	FUNCTIONS & ITF	FN	26		RAY OPTICS	RO	20	IUPAC NAMING		NM	10
	LIMIT, CONTINUITY & DIFFERENTIABILITY	LCD	22	ROTATIONAL DYNAMICS		RT	26	GOC		GOC	30
PROBABILITY		PR	16		HEAT AND THERMODYNAMICS	HT	20	IONIC EQUILIBRIUM		IE	22
								VOLUMETRIC		VA	12

### MAJOR TEST - 3 (27th & 28th JANUARY)

STRAIGHT LINE & POSL		SL	22		FLUID MECHANICS	FL	10		ISOMERISM	IM	20
CIRCLE		CR	20	SIMPLE HARMONIC MOTION		SHM	16	CHEMICAL KINETICS		CK	16
	METHOD OF DIFFERENTIATION	MOD	8	GRAVITATION		GR	12	ELECTROCHEMISTRY		EC	22
	APPLICATION OF DERIVATIVES	AOD	24		MECHANICAL PROPERTIES	PCM	10	REACTION MECHANISM		RM	16
					TRANSVERSE WAVES	TW	10	SOLID STATE		SS	12
				ELECTROSTATISTICS		ES	16	SURFACE CHEMISTRY		SC	4

### MAJOR TEST - 4 (27th & 28th APRIL)

	INTEGRAL CALCULUS (INDEFINITE)	ID	12	CAPACITORS		CA	10		HYDROCARBONS	HC	20
PARABOLA		PB	12	CURRENT ELECTRICITY		CE	12	SOLUTIONS		LS	12
ELLIPSE		EL	12	MAGNETISM		MG	20	CO-ORDINATION COMPOUNDS		CC	18
	DEFINITE INTEGRAL	DI	12		SOUND WAVES	SW	12	AROMATIC HC		AHC	12
					WAVE OPTICS	WO	12	S-BLOCK ELEMENTS & HYDROGEN		SB	12

### MAJOR TEST - 5 (27th & 28th JULY)

HYPERBOLA		HB	8	ELECTRO MAGNETIC INDUCTION		EMI	16		ARYL, ALKYL & HALIDES	AAH	12
	AUC & DIFFERENTIAL EQUATIONS	ADE	16	ALTERNATIVE CURRENTS		AC	6		ALCOHOL, ETHER & PHENOL	AEP	14
COMPLEX NUMBERS		CN	24		MODERN PHYSICS	MP	18	P-BLOCK ELEMENTS		PB	18
	DETERMINANTS & MATRICES	D & M	20		JEE-MAIN TOPICS	MAIN	16	D & F BLOCK ELEMENTS		DFB	6
	JEE-MAIN TOPICS		12					ALDEHYDE & KETONES		AK	18
	(Statistics, Mathematical Induction							CARBOXYLIC ACID & AMINES		CA	14
	Binomial Distribution, Reasoning, etc.)							BIOMOLECULES, POLYMERS & POC		BM	10
VECTORS & 3 D		VT & 3D	24					METALLURGY & SALT ANALYSIS		MSA	20
								CHEMISTRY IN EVERYDAY LIFE		CEL	4

### MAJOR TEST - 6 (26th & 27th OCTOBER)

**(REVISION & ALL INDIA TEST SERIES)** SATURDAY : Main (ONLINE) Timings : 3:00 - 6:00 PM SUNDAY : Advanced (OFFLINE) Timings : Paper -1: 9:00 - 12:00 PM, Paper - 2 : 1:00 - 4:00 PM

PART TEST - 1	Full Algebra Including , Vectors, 3D	Full Mechanics Including SHM , Gravitation, Mechanical Prop. and Fluids , Unit Dimensions & Errors and Measurements	Full Physical Chemistry
PART TEST - 2	Full Calculus Including ITF	Full Electricity & Magnetism	Full Organic Chemistry
PART TEST - 3	Full Coordinate Geometry, Full Trigonometry, & Mains topics	Optics , Wave Optics , Waves , Modern Physics & Heat & Thermodynamics , Semiconductors, Communication System, EM Waves, Diffraction & Polarisation	Full Inorganic Chemistry
	MAINS SESSION (ONLINE) 20 FULL SYLLABUS TEST	JEE ADVANCED (ONLINE) 15 FULL SYLLABUS TEST	MHT CET (ONLINE) 10 FULL SYLLABUS TEST
			BITSAT (ONLINE) 10 FULL SYLLABUS TEST

Booklet solutions & Video Lectures of all the Top Faculties of PACE are available on [online.digitalpace.in](http://online.digitalpace.in)

Topic Wise Tests Planner will be shared on the website : [www.iitianspace.com](http://www.iitianspace.com)