

**JEE MAINS\_27 JANUARY 2024\_SHIFT-02**

**MATHS PAPER ANALYSIS**

<b>A</b>	<b>SECTION-TRIGONOMETRY</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	TRIGONOMETRY RATIO				
2	TRIGONOMETRY EQUATION		1		1
3	INVERSE TRIGONOMETRY FUNCTION	1			1
<b>B</b>	<b>SECTION-ALGEBRA</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	QUADRATIC EQUATION	1			1
2	SEQUENCE & SERIES	1			1
3	COMPLEX NUMBER			1	1
4	BINOMIAL THEOREM		1		1
5	PERMUTATION & COMBINATION			1	1
6	PROBABILITY	1			1
7	DETERMINANTS	1			1
8	MATRICES		1		1
<b>C</b>	<b>SECTION-COORDINATE GEOMETRY</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	STRAIGHT LINE		1		1
2	CIRCLE	1			1
3	CONIC SECTION		1		1
4	VECTOR & 3D	2			2
<b>D</b>	<b>SECTION-CALCULUS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	FUNCTION				
2	LIMIT	1			1
3	CONTINUITY & DIFFERENTIABILITY				
4	METHOD OF DIFFERENTIATION				
5	APPLICATION OF DERIVATIVE		1		1
6	INDEFINITE INTEGRATION		1		1
7	DEFINITE INTEGRATION		1		1
8	AREA UNDER CURVE		1		1
9	DIFFERENTIAL EQUATION	1			1
<b>E</b>	<b>SECTION-JEE MAIN TOPICS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	SETS & RELATION	1			1
2	STATISTICS		1		1

## PHYSICS PAPER ANALYSIS

PHYSICS PAPER ANALYSIS					
<b>A</b>	<b>SECTION-MECHANICS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	UNITS AND DIMENSIONS	1			1
2	ERROR AND MEASUREMENT		1		1
3	KINEMATICS	2			2
4	NLM AND FRICTION	1			1
5	WORK POWER AND ENERGY				
6	CIRCULAR MOTION		1		1
7	CENTRE OF MASS				
8	RIGID BODY DYNAMICS	2			2
9	GRAVITATION	1			1
<b>B</b>	<b>SECTION-FLUID MECHANICS,PROPERTIES OF MATTER</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	FLUID MECHANICS		1		1
2	PROPERTIES OF MATTER(SURFACE TENSION,VISCOSITY,ELASTICITY)	1			1
<b>C</b>	<b>SECTION-OSCILLATIONS AND WAVES</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	SHM				
2	WAVES ON STRING				
3	SOUND WAVES		1		1
<b>D</b>	<b>SECTION-Heat and Thermo</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	CALORIMETRY AND THERMAL EXPANSION				
2	HEAT TRANSFER				
3	KTG AND THERMODYNAMICS	2			2
<b>E</b>	<b>SECTION-OPTICS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	GEOMETRICAL OPTICS				
2	WAVE OPTICS	1			1
<b>F</b>	<b>SECTION-ELECTROMAGNETISM</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	ELECTRTOSTATICS	2		1	3
2	CURRENT ELECTRICITY		2		2
3	CAPACITANCE				
4	MAGNETIC FIELD AND FORCE	1	1		2
5	EMI				
6	ALTERNATING CURRENT	2			2
<b>G</b>	<b>SECTION-MODERN AND NUCLEAR PHYSICS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	MODERN PHYSICS	1	1		2
2	NUCLEAR PHYSICS		1		1
<b>H</b>	<b>SECTION-EMW,SEMICONDUCTORS</b>	<b>EASY</b>	<b>MODERATE</b>	<b>TOUGH</b>	<b>TOTAL QUESTIONS</b>
1	ELECTROMAGNETIC WAVES				
2	SEMICONDUCTORS	1			1

## CHEMISTRY PAPER ANALYSIS

S. N	TOPIC	EASY	MODERATE	TOUGH	TOTAL QUESTIONS
1	Periodic Table	2			2
2	Chemical Bonding	1			1
3	Atomic Structure				
4	Mole Concept	2			2
5	Chemical Equilibrium				
6	Redox	1			1
7	IUPAC	2			2
8	Isomerism	1			1
9	GOC	1			1
10	POC	1			1
11	Thermodynamic		1		1
12	Ionic Equilibrium				
13	Solution & Collgative Properties				
14	ELECTRO CHEMISTRY		1		1
15	Chemical Kinetics & Radioactivity	1			1
16	p-Block	3			3
17	d & f-Block Elements	2			2
18	Coordination Compound		2		2
19	HALO ALKANE HALO ARENE ALCOHOL,ETHER	2			2
20	Reduction Oxidation				
21	Carbonyl Compound				
22	Biomolecule	1			1
23	SALT ANYLYSIS				
24	AROMATIC COMPOUND	1	1		2
25	HYDROCARBON	1			1