JEE Mains 2026 Session 2

Session-2

Sri Chaitanya ACADEMY JEE An INFINITY LEARN Initiative

DETAILED PAPER SOLUTIONS

LIVE

2nd Apr - Shift 1

JEE 2026 Session-2 Solutions

2nd Apr. Shift–1 Overall Difficulty

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Memory based Questions

Sr. No.	Subject(s)	Difficulty Level
1.	PHYSICS	Moderate - Difficult
2.	CHEMISTRY	Moderate
4.	MATHS	Moderate (Lengthy)
	Overall	Moderate

JEE 2026
Session-2
Solutions

2nd Apr. Shift–1

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Memory based Questions

How was the Maths Paper?

A. Easy - 5

B. Moderate - 4

C. Moderate but Lengthy - 3

D. Difficult – 2

E. Very Difficult - 1

JEE 2026
Session-2 Solutions

2nd Apr. Shift–1 Overall Difficulty

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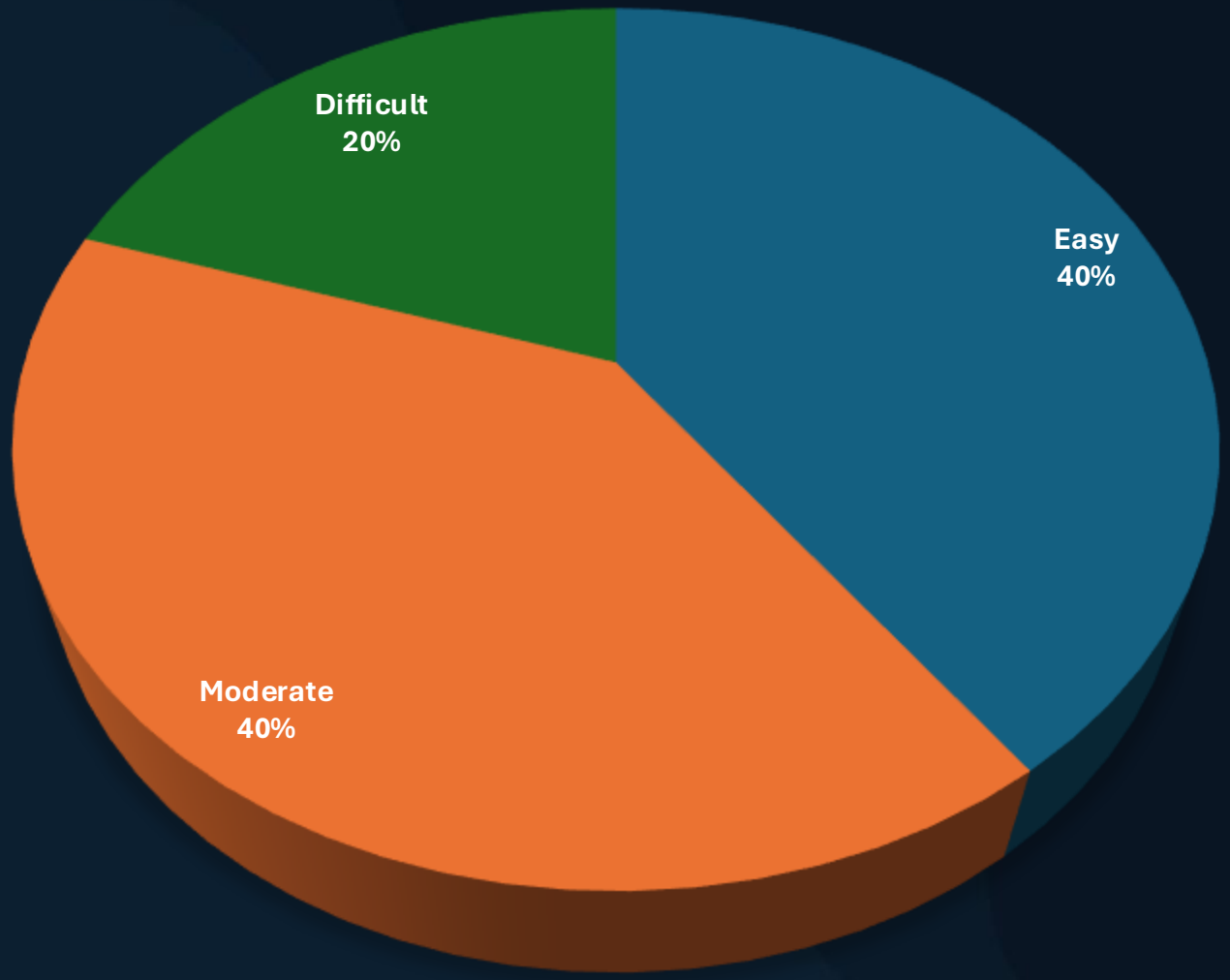
Memory based Questions



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Solutions

2nd Apr. Shift–1 Maths Analysis

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Memory based Questions

Chapter	Weightage	Chapter	Weightage
Sets and Relations	4.4%	Straight Lines and Pair of Straight Lines	3.6%
Logarithm	0.4%	Circle	2.4%
Quadratic Equation and Inequalities	3.2%	Parabola	4%
Sequences and Series	5.2%	Ellipse	3.2%
Binomial Theorem	4.4%	Hyperbola	0.8%
Matrices and Determinants	7.6%	Functions	3.2%
Permutations and Combinations	5.2%	Limits, Continuity and Differentiability	5.2%
Probability	4.8%	Differentiation	0.4%
Vector Algebra	5.6%	Application of Derivatives	2.4%
3D Geometry	6.4%	Indefinite Integrals	2%
Complex Numbers	4%	Definite Integration	4.8%
Statistics	1.6%	Area Under The Curves	4%
Trigonometric Ratio and Identities	1.6%	Differential Equations	5.6%
Inverse Trigonometric Functions	2.8%		

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2nd Apr. Shift–1

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Memory based Questions

How was the Physics Paper?

A. Easy - 5

B. Moderate - 4

C. Moderate but Lengthy - 3

D. Difficult – 2

E. Very Difficult - 1

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Solutions

2nd Apr. Shift–1 Physics Analysis

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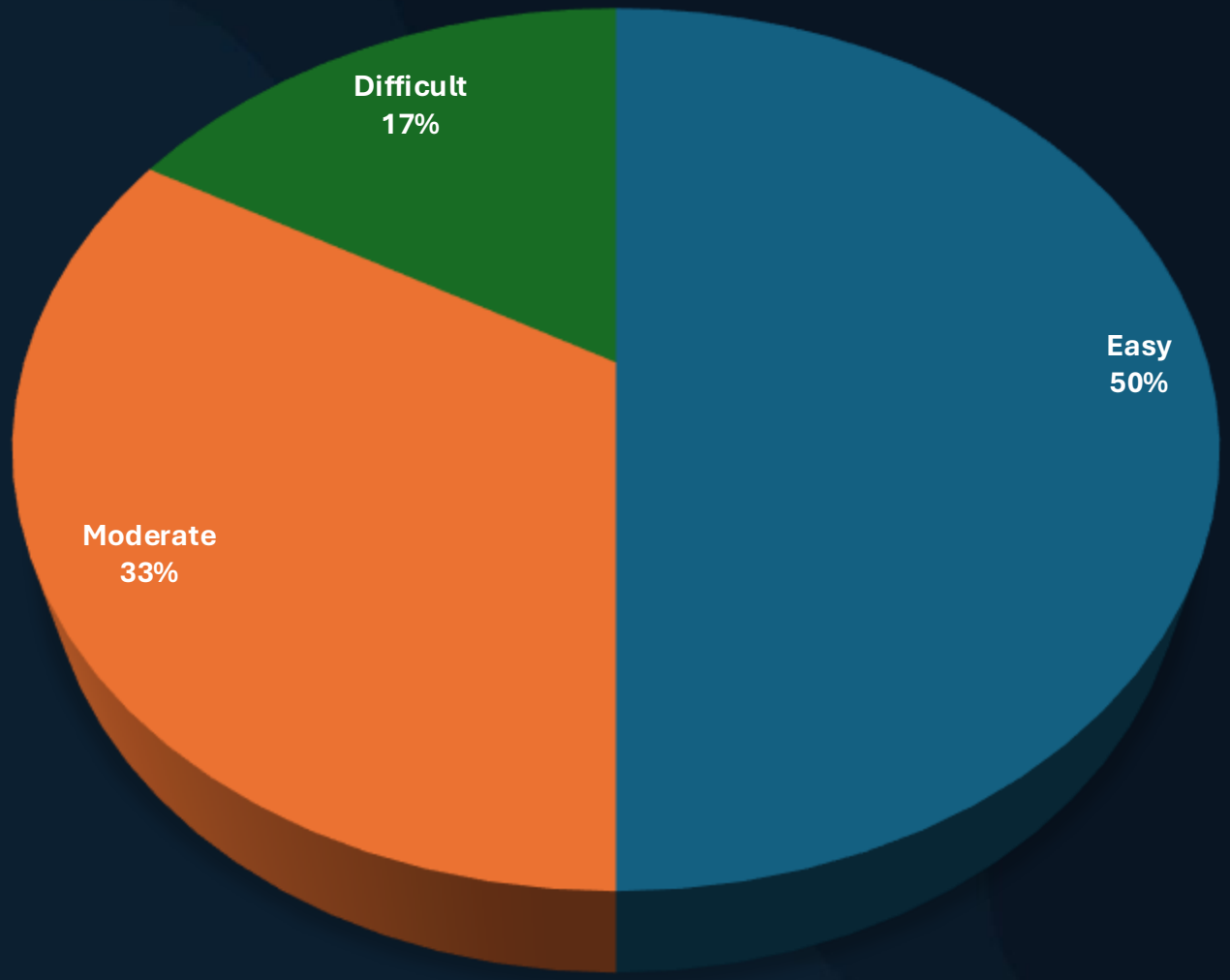
Memory based Questions



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2nd Apr. Shift–1 Physics Analysis

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Chapter	Weightage	Chapter	Weightage
Current Electricity	8%	Semiconductor	3.67%
Heat and Thermodynamics	7.33%	Rotational Motion	3.33%
Properties of Matter	7%	Work Power & Energy	3.17%
Atoms and Nuclei	6.67%	Electromagnetic Induction	2.83%
Units & Measurements	5.50%	Motion in a Straight Line	2.67%
Electrostatics	5.33%	Simple Harmonic Motion	2.50%
Magnetic Effect of Current	5.17%	Electromagnetic Waves	2.50%
Alternating Current	4.33%	Geometrical Optics	2.50%
Laws of Motion	4%	Capacitor	2.33%
Gravitation	4%	Circular Motion	1.83%
Wave Optics	3.83%	Center of Mass and Collision	1.67%
Dual Nature of Radiation	3.83%	Waves	1.50%

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2nd Apr. Shift–1

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Memory based Questions

How was the Chemistry Paper?

A. Easy - 5

B. Moderate - 4

C. Moderate but Lengthy - 3

D. Difficult – 2

E. Very Difficult - 1

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Solutions

2nd Apr. Shift–1 Chemistry Analysis

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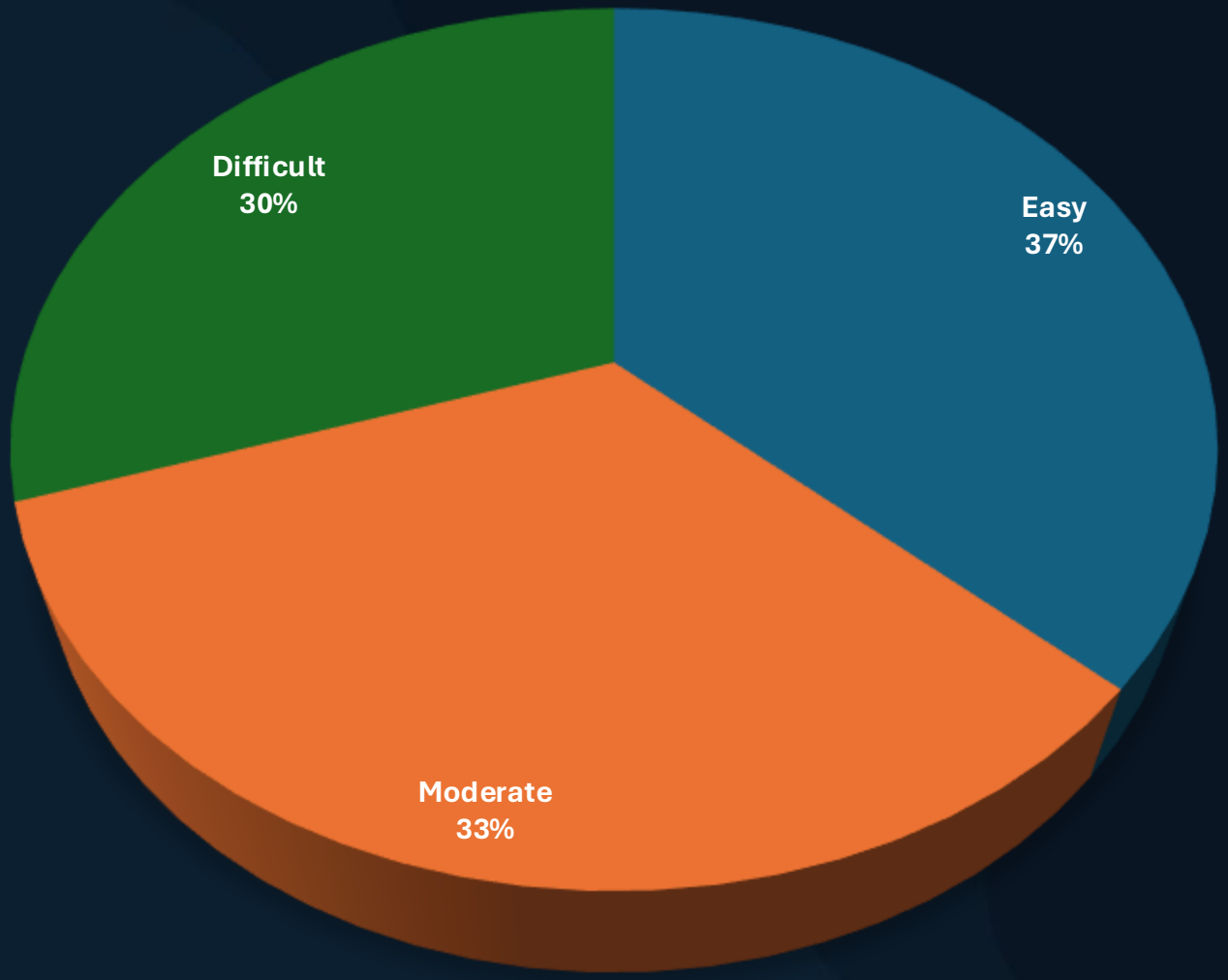
Memory based Questions



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2nd Apr. Shift–1 Chemistry Analysis

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Memory based Questions

Chapter	Weightage	Chapter	Weightage
Some Basic Concepts of Chemistry	5.2 %	d and f Block Elements	5.2 %
Structure of Atom	4.4 %	Coordination Compounds	7.2 %
Redox Reactions	2.4 %	Salt Analysis	2 %
Chemical Equilibrium	2.4 %	Basics of Organic Chemistry	6.8 %
Ionic Equilibrium	3.2 %	Hydrocarbons	5.2 %
Solutions	3.6 %	Haloalkanes and Haloarenes	4.4 %
Thermodynamics	6.8 %	Alcohols, Phenols and Ethers	2 %
Electrochemistry	5.6 %	Aldehydes, Ketones and Carboxylic Acids	5.6 %
Chemical Kinetics and Nuclear Chemistry	5.2 %	Compounds Containing Nitrogen	5.2 %
Periodic Table & Periodicity	6 %	Biomolecules	4.4 %
Chemical Bonding & Molecular Structure	4 %	Practical Organic Chemistry	1.2 %
p-Block Elements	1.6 %		

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Memory Based Questions

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?

K_{sp} of $Ag_2CrO_4 = 32x$

K_{sp} of $AgBr = 4y$

Then, the ratio of molarity (solubility) of (1) to (2) is:

(a) $\frac{2\sqrt[3]{x}}{y}$

(b) $\frac{\sqrt[3]{x}}{\sqrt{y}}$

(c) $\sqrt{\frac{x}{y}}$

(d) $2\sqrt{\frac{x}{y}}$

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Memory Based Questions

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Statement I: Bond length of $O_2^-, O_2^{2-}, O_2^+, O_2^{2+}$

Statement II: unpaired electrons in $O_2^-, O_2^{2-}, O_2^+, O_2^{2+}$

1) Statement I and II both true

2) Both False

3) Statement I True, Statement II False

4) Statement I False, Statement II true.

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Memory Based Questions

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? The correct increasing order of bond length among the following is

1) $O_2^+, O_2, O_2^-, O_2^{2-}$

2) $O_2^+, O_2, O_2^{2-}, O_2^-$

3) $O_2^{2-}, O_2^-, O_2, O_2^+$

4) $O_2^-, O_2^{2-}, O_2^+, O_2$

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Memory Based Questions

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? For first order reaction, rate constant at $27^{\circ}C$ and $t^{\circ}C$ is 1.5×10^3 and 4.5×10^3 respectively. If the activation energy of reaction is 60 kJ then find temperature t.

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Memory Based Questions

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? The number of seven digit numbers, that can be formed by using the digits 1, 2, 3, 5, 7 such that each digit is used at least once is

a) 16800

b) 15400

c) 29400

d) 17800

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Memory Based Questions

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? Let $\sin\frac{\pi}{18}\sin\frac{5\pi}{18}\sin\frac{7\pi}{18} = k$. Then find the value of $\sin 10k\frac{\pi}{3}$

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Memory Based Questions

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?

$\lim_{x\to 2} \frac{\sin(x^3-5x^2+ax+b)}{(\sqrt{x-1}-1)\log_e(x-1)} = m$, then a + b + m is equal to

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Memory Based Questions

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?

The velocity of a particle is given as $\vec{v} = -x\hat{i} + 2y\hat{j} - 2\hat{k}\ \mathrm{m/s}$. The magnitude of acceleration at point $(1,2,4)$ is _____ $\mathrm{m/s^2}$?

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Memory Based Questions

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Dimensional formula for $\frac{1}{2} \in E^2$ is given as $M^a L^b T^c$. Find the value of 2a-b+c.

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Memory Based Questions

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?

The equation of a plane progressive wave is given by $y = 5\cos\pi\left(200t - \frac{x}{150}\right)$. Where x & y are in cm and t is in seconds. Find the wave velocity for the given wave function.