



PAPER ANALYSIS FOR EACH SUBJECT OF JEE (ADVANCED) 2023

A Detailed Analysis by ALLEN

JEE (Advanced) 2023 online exam held on 04th June, 2023 and result will be declared on 18th June, 2023. The online exam was held at various cities across India & abroad too.

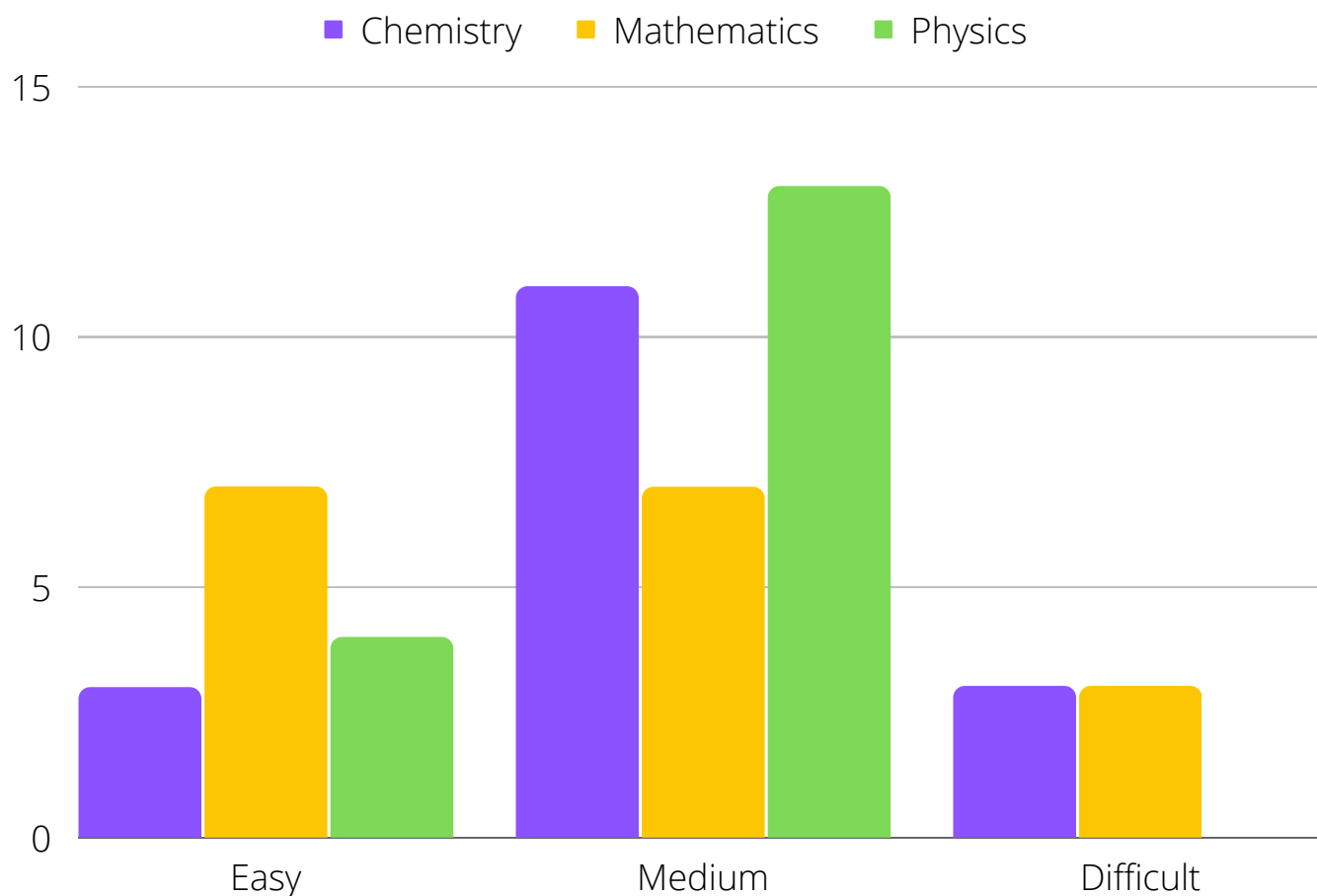
JEE (Advanced) 2023 was conducted in two parts (paper 1 & paper 2). Paper 1 was conducted from 9:00 am to 12:00 pm in morning session & paper 2 was conducted from 2:30 pm to 5:30 pm in evening session for students applying for engineering seats in engineering colleges.

Given below is paper analysis of both the papers of this exam.
Each paper had 51 questions.

Difficulty Level Analysis : Question wise (PAPER – 1)

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	3	11	3	17
Mathematics	7	7	3	17
Physics	4	13	0	17
Total	14	31	6	51

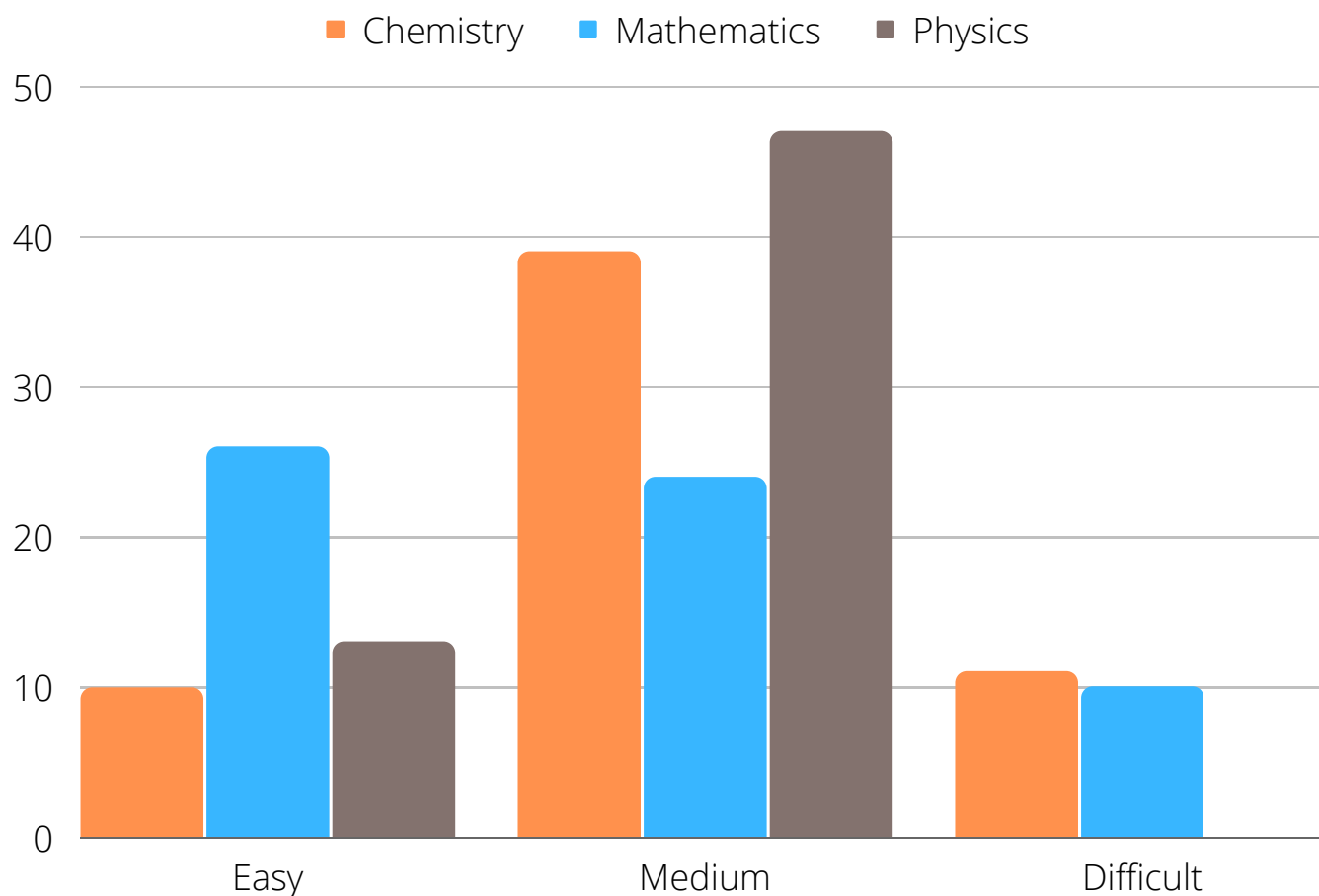
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : **Marks wise (PAPER – 1)**

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	10	39	11	60
Mathematics	26	24	10	60
Physics	13	47	0	60
Total	49	110	21	180

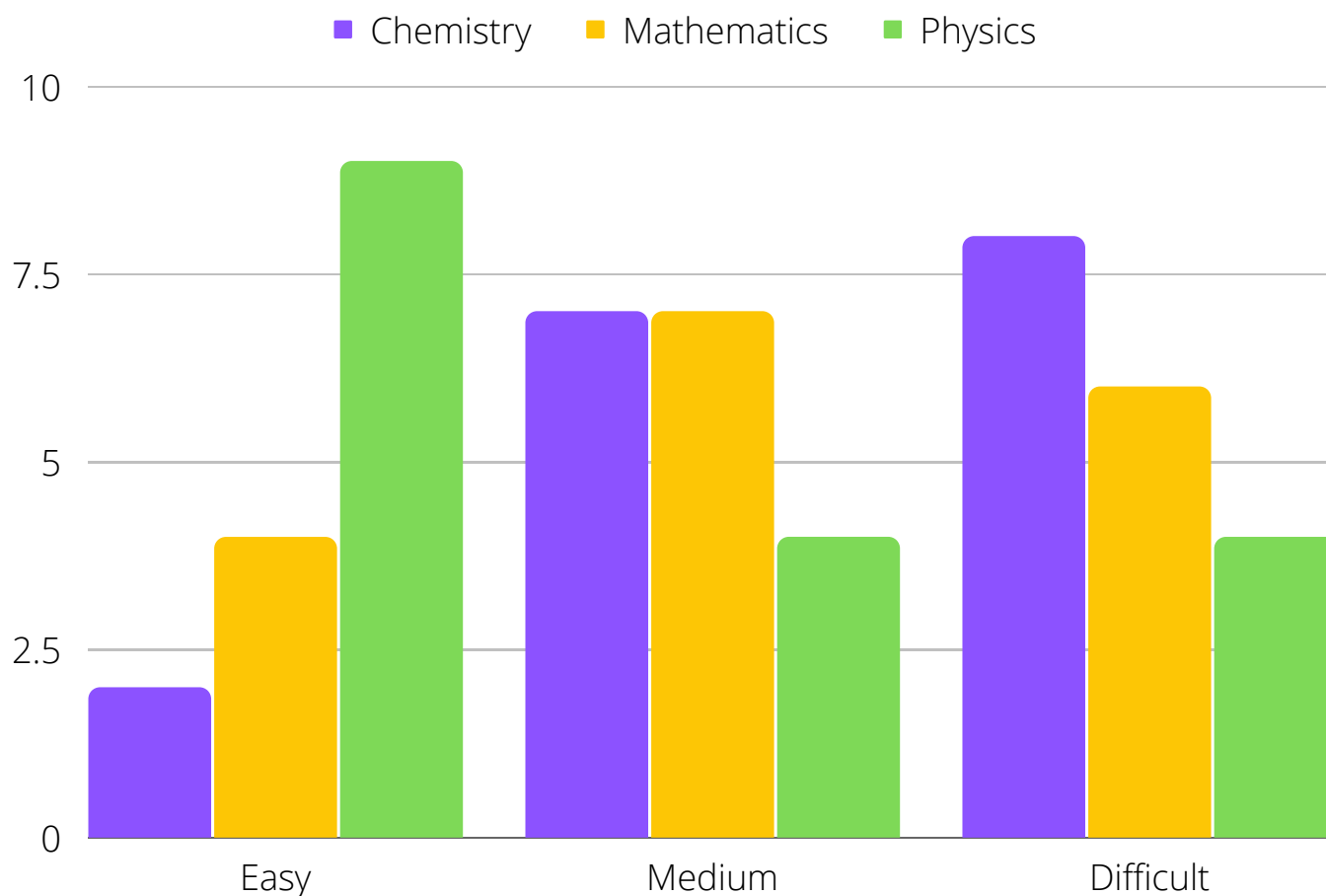
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : **Question wise (PAPER – 2)**

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	2	7	8	17
Mathematics	4	7	6	17
Physics	9	4	4	17
Total	15	18	18	51

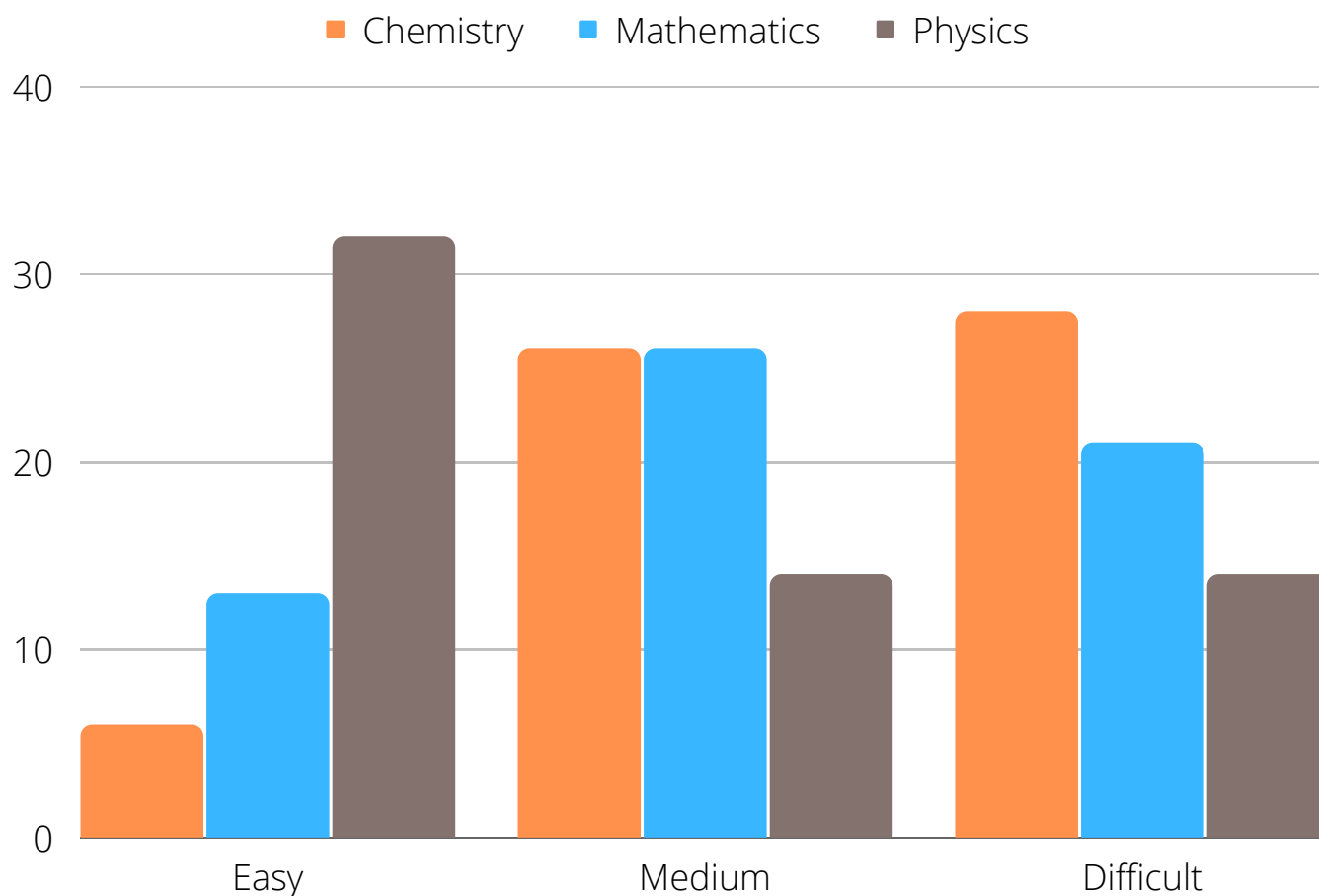
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : **Marks wise (PAPER – 2)**

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	6	26	28	60
Mathematics	13	26	21	60
Physics	32	14	14	60
Total	51	66	63	180

Questions wise level distribution (Graphical Representation)



CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2023 (PAPER – 1 & 2)

Chapter	No. of Question	Marks	% Weightage
UNIT & DIMENSION	1	3	2.50%
KINEMATICS	2	8	6.67%
WORK POWER ENERGY	0	0	0.00%
CENTER OF MASS	0	0	0.00%
ROTATIONAL DYNAMICS	3	11	9.17%
CALORIMETRY	0	0	0.00%
KTG & THERMODYNAMICS	4	14	11.67%
ELASTICITY & THERMAL EXPANSION (Question was combined with Error in Measurements & Instruments)	0	0	0.00%
WAVE ON STRING	1	4	3.33%
SOUND	3	9	7.50%
SHM	1	4	3.33%
EM WAVES	1	4	3.33%
NLM	1	3	2.50%
FLUID MECHANICS	3	10	8.33%
GEOMETRICAL OPTICS	2	8	6.67%
ELECTROSTATICS	1	3	2.50%
GRAVITATION	1	3	2.50%
CURRENT ELECTRICITY	0	0	0.00%
CAPACITOR	2	7	5.83%
ELECTRO MAGNETIC INDUCTION	3	10	8.33%
MODERN PHYSICS	3	11	9.17%
WAVE OPTICS	1	4	3.33%
ERROR IN MEASUREMENTS & INSTRUMENTS (Questions was combined with Radioactivity)	1	4	3.33%
TOTAL	34	120	100.00%

CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2023 (PAPER - 1 & 2)

Chapter	No. of Questions	Marks	% Weightage
INORGANIC CHEMISTRY			
PERIODIC TABLE & CHEMICAL BONDING	3	11	9.17%
COORDINATION CHEMISTRY	2	7	5.83%
METALLURGY	1	4	3.33%
SALT ANALYSIS	1	3	2.50%
S, P, D-BLOCK & HYDROGEN AND ITS COMPOUND	3	11	9.17%
ORGANIC CHEMISTRY			
GENERAL ORGANIC CHEMISTRY	0	0	0.00%
ISOMERISM	0	0	0.00%
ACID AMINES	2	7	5.83%
HYDROCARBON	1	4	3.33%
HALOGEN DERIVATIVE	1	3	2.50%
CARBONYL COMPOUNDS	1	4	3.33%
AROMATIC COMPOUNDS	0	0	0.00%
BIOMOLECULES	1	3	2.50%
POLYMER & PRACTICAL ORGANIC CHEMISTRY	1	4	3.33%
MIXED (CARBONYL COMPOUNDS & AROMATIC HYDROCARBON)	0	0	0.00%
MIXED (AROMATIC HYDROCARBON, CARBOXYLIC ACID AND THEIR DERIVATIVES & AMINES, ALCOHOL & ETHER, HALOGEN DERIVATIVE)	5	16	13.33%
PHYSICAL CHEMISTRY			
MOLE CONCEPT & REACTION STOICHIOMETRY	0	0	0.00%
THERMODYNAMICS	4	14	11.67%
IONIC EQUILLIBRIUM	1	3	2.50%
SOLID STATE	1	4	3.33%
GASEOUS STATE	1	4	3.33%
ATOMIC STRUCTURE	1	4	3.33%
CHEMICAL EQUILIBRIUM	0	0	0.00%
THERMOCHEMISTRY	0	0	0.00%
CHEMICAL KINETICS & RADIOACTIVITY	1	4	3.33%
SURFACE CHEMISTRY & ELECTROCHEMISTRY	2	6	5.00%
LIQUID SOLUTION	1	4	3.33%
TOTAL	34	120	100.00%

CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2023 (PAPER - 1 & 2)

Chapter	No. of Question	Marks	% Weightage
QUADRATIC EQUATION	0	0	0.00%
SEQUENCE & SERIES	1	4	3.33%
PERMUTATION & COMBINATION	0	0	0.00%
COMPLEX NUMBER	2	7	5.83%
BINOMIAL THEOREM	1	4	3.33%
LOGARITHM	0	0	0.00%
TRIGONOMETRIC RATIO IDENTITIES	0	0	0.00%
TRIGONOMETRIC EQUATION	0	0	0.00%
INVERSE TRIGONOMETRIC FUNCTION	2	7	5.83%
SOLUTION OF TRIANGLES	3	10	8.33%
FUNCTION	0	0	0.00%
LIMIT, CONTINUITY & DIFFERENTIABILITY	0	0	0.00%
METHOD OF DIFFERENTIATION	0	0	0.00%
INDEFINITE INTEGRATION	0	0	0.00%
DEFINITE INTEGRATION	1	3	2.50%
DIFFERENTIAL EQUATION	2	7	5.83%
AREA UNDER CURVE	2	8	6.67%
CALCULUS MIXED	1	4	3.33%
TANGENT & NORMAL	0	0	0.00%
MONOTONICITY	2	8	6.67%
MAXIMA & MINIMA	1	4	3.33%
STRAIGHT LINE	0	0	0.00%
CIRCLE	1	4	3.33%
PARABOLA	1	3	2.50%
ELLIPSE	1	4	3.33%
HYPERBOLA	0	0	0.00%
VECTOR	2	7	5.83%
3-D	2	6	5.00%
DETERMINANT & MATRICES	3	11	9.17%
STATISTICS	1	3	2.50%
PROBABILITY	5	16	13.33%
TOTAL	34	120	100.00%