



PAPER ANALYSIS FOR EACH SUBJECT OF JEE (ADVANCED) 2022

A Detailed Analysis by ALLEN

JEE (Advanced) 2022 online exam held on 28th August, 2022 and result will be declared on 11th September, 2022. The online exam was held at various cities across India & abroad too.

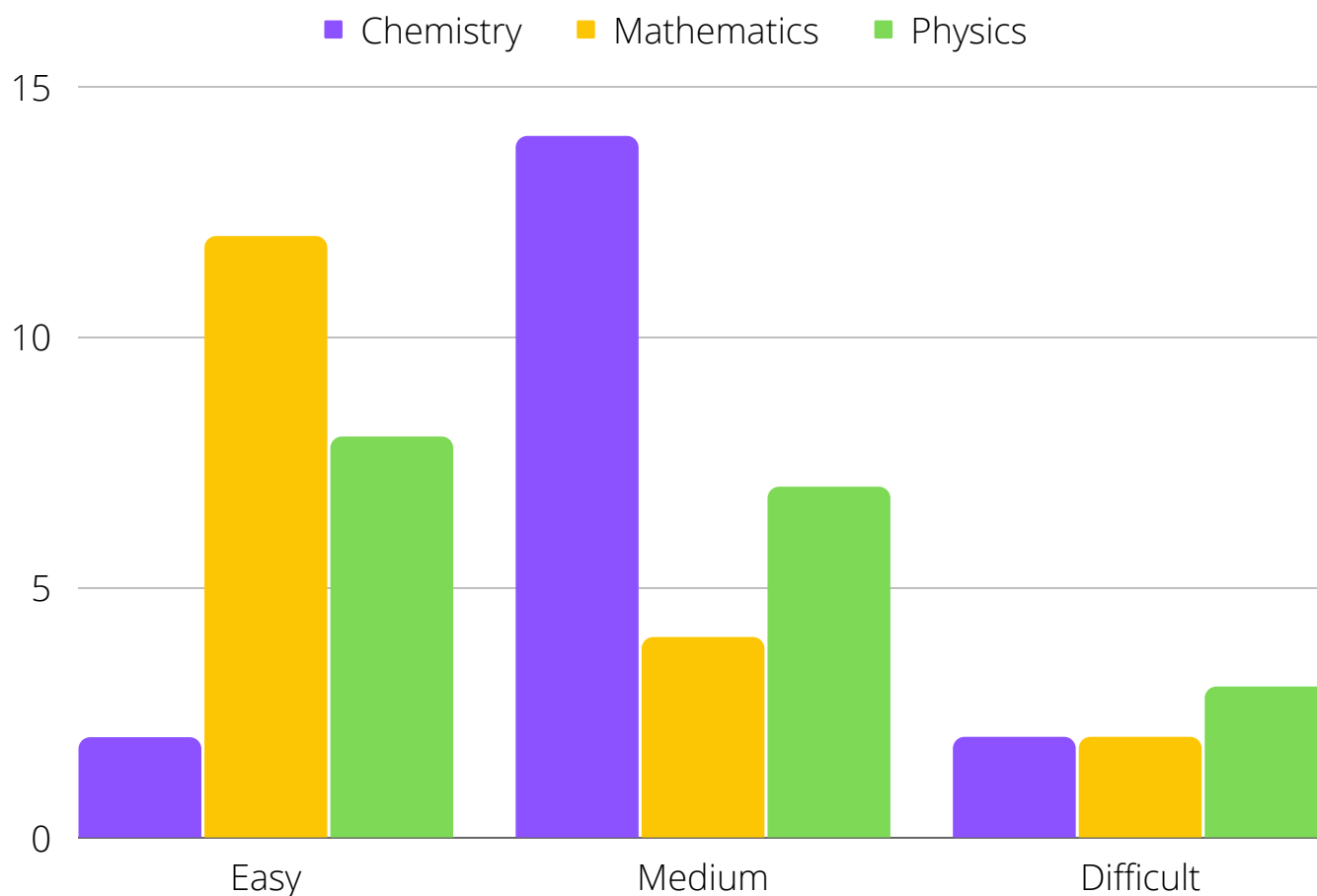
JEE (Advanced) 2022 was conducted in two parts (paper 1 & paper 2). Paper 1 was conducted from 9:00 am to 12:00 pm in morning session & paper 2 was conducted from 2:30 pm to 5:30 pm in evening session for students applying for engineering seats in engineering colleges.

Given below is paper analysis of both the papers of this exam.
Each paper had 54 questions.

Difficulty Level Analysis : Question wise (PAPER - 1)

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	2	14	2	18
Mathematics	12	4	2	18
Physics	8	7	3	18
Total	22	25	7	54

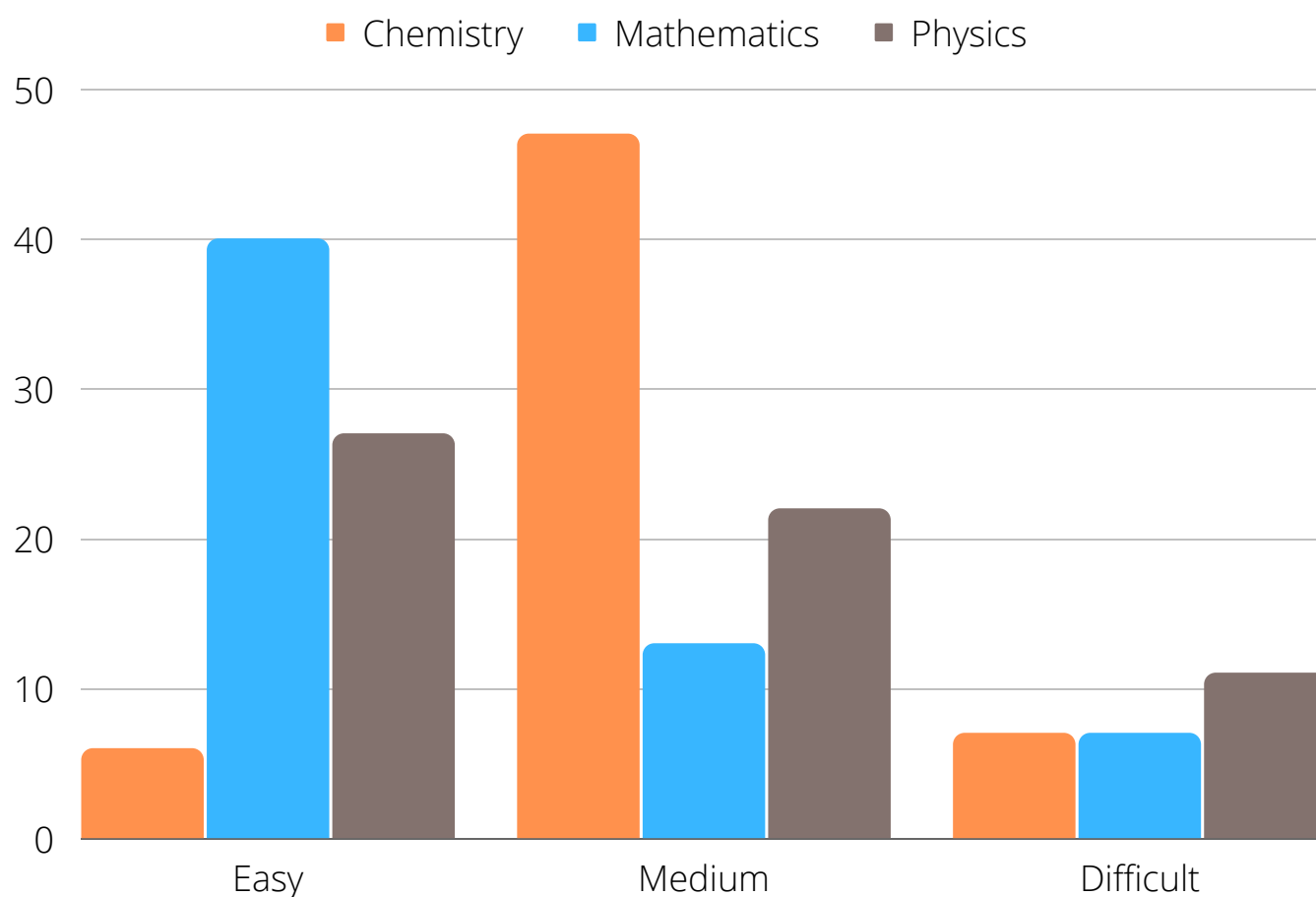
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : Marks wise (PAPER - 1)

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	6	47	7	60
Mathematics	40	13	7	60
Physics	27	22	11	60
Total	73	35	25	180

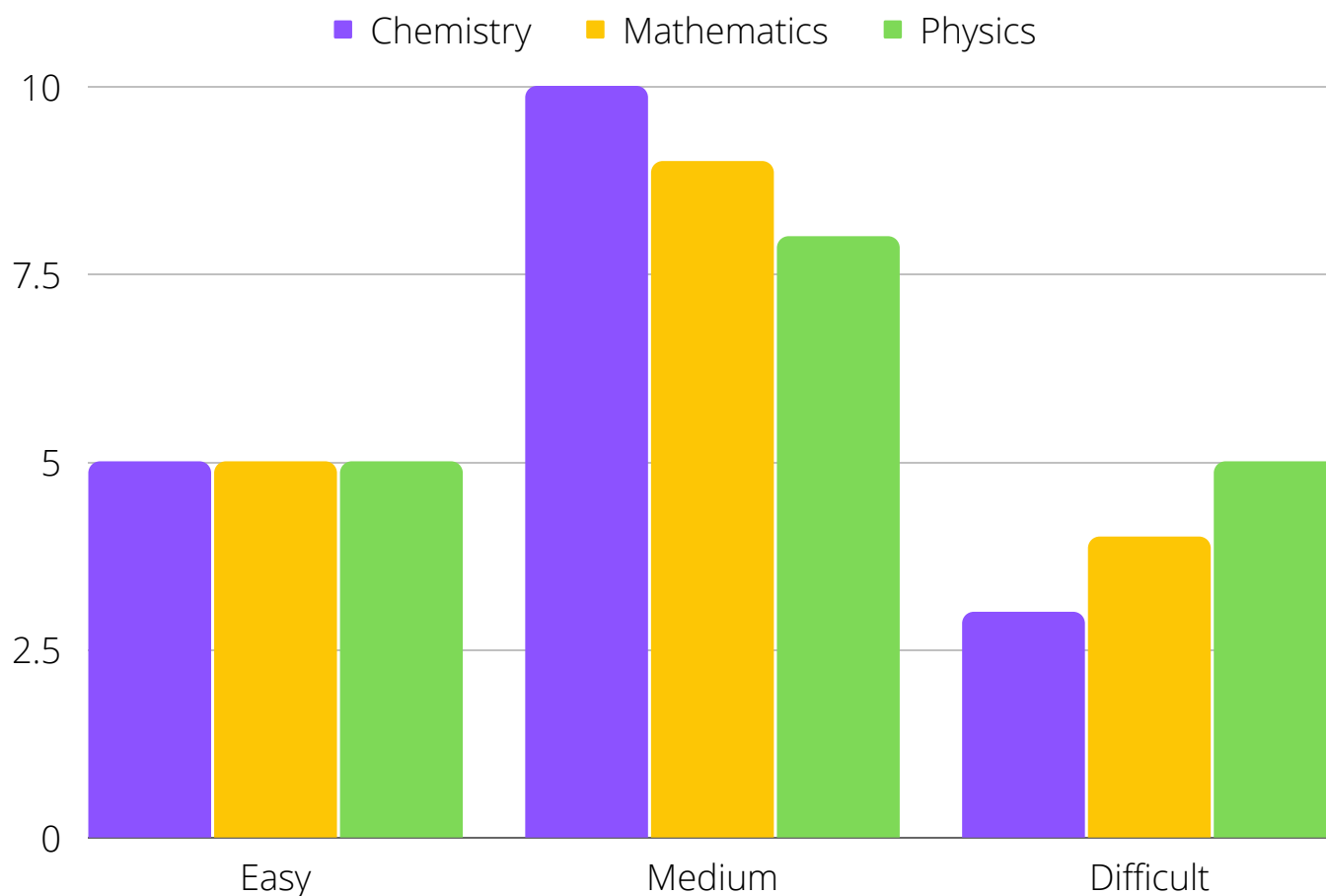
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : Question wise (PAPER - 2)

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	5	10	3	18
Mathematics	5	9	4	18
Physics	5	8	5	18
Total	15	27	12	54

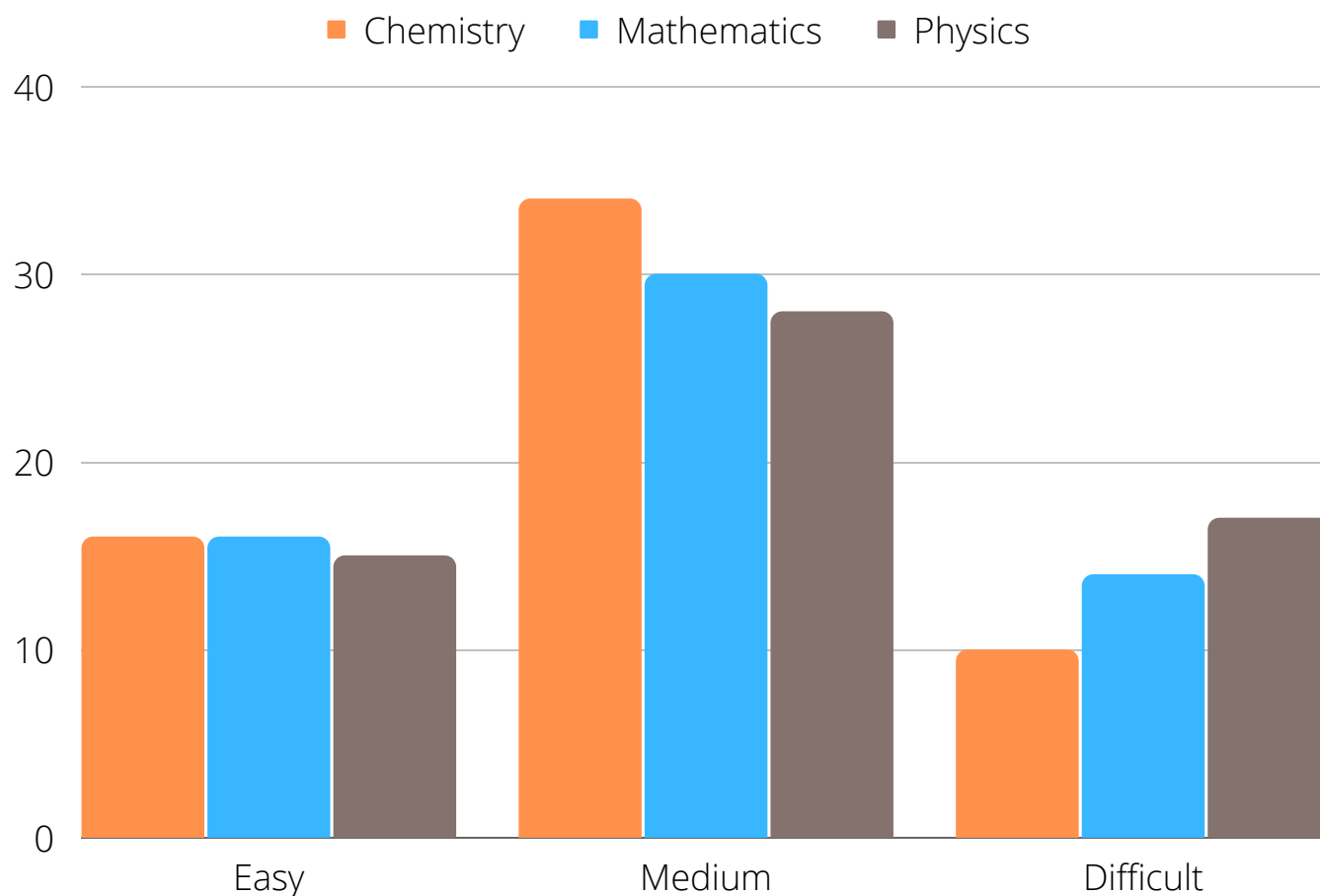
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : Marks wise (PAPER - 2)

Subject	Easy Level	Moderate Level	Difficult Level	Total
Chemistry	16	34	10	60
Mathematics	16	30	14	60
Physics	15	28	17	60
Total	47	58	41	180

Questions wise level distribution (Graphical Representation)



CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2022 (PAPER - 1 & 2)

Chapter	No. of Questions	Marks	% Weightage
MECHANICS	7	21	17.50%
UNIT & DIMENSION	1	3	2.50%
KINEMATICS	2	6	5.00%
ROTATIONAL DYNAMICS	3	9	7.50%
CIRCULAR MOTION	1	3	2.50%
SHM	1	3	2.50%
THERMODYNAMICS	2	7	5.83%
FLUID MECHANICS	2	8	6.67%
GEOMETRICAL OPTICS	5	16	13.33%
ELECTROSTATICS	4	15	12.50%
MAGNETIC EFFECT OF CURRENT	1	3	2.50%
GRAVITATION	1	3	2.50%
CURRENT ELECTRICITY	3	11	9.17%
CAPACITOR	2	7	5.83%
ELECTRO MAGNETIC INDUCTION	2	6	5.00%
MODERN PHYSICS	4	13	10.83%
WAVE OPTICS	1	4	3.33%
ERROR	1	3	2.50%
TOTAL	36	120	100.00%

CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2022 (PAPER - 1 & 2)

Chapter	No. of Questions	Marks	% Weightage
INORGANIC CHEMISTRY			
PERIODIC TABLE & CHEMICAL BONDING	2	7	5.83%
COORDINATION CHEMISTRY	1	3	2.50%
METALLURGY	2	8	6.67%
SALT ANALYSIS	2	6	5.00%
S, P, D-BLOCK & HYDROGEN AND ITS COMPOUND	6	20	16.67%
ORGANIC CHEMISTRY			
HYDROCARBON	3	9	7.50%
AROMATIC HYDROCARBON	4	14	11.67%
BIOMOLECULES	2	7	5.83%
POLYMER & PRACTICAL ORGANIC CHEMISTRY	2	7	5.83%
HALOGEN DERIVATIVE & SEPRATION TECHNIQUES	1	3	2.50%
PHYSICAL CHEMISTRY			
MOLE CONCEPT & REACTION STOICHIOMETRY	1	4	3.33%
IONIC EQUILIBRIUM	2	6	5.00%
THERMOCHEMISTRY	1	3	2.50%
THERMODYNAMICS	1	4	3.33%
CHEMICAL KINETICS & RADIOACTIVITY	1	3	2.50%
SURFACE CHEMISTRY	1	4	3.33%
ELECTROCHEMISTRY	2	6	5.00%
LIQUID SOLUTION	1	3	2.50%
SOLID STATE	1	3	2.50%
TOTAL	36	120	100.00%

CHAPTER WISE DISTRIBUTION OF QUESTION AND MARKS OF JEE ADVANCED 2022 (PAPER - 1 & 2)

Chapter	No. of Ques.	Marks	% Weightage
ALZEBRA	9	29	24.17%
SEQUENCE & SERIES	2	7	5.83%
PERMUTATION & COMBINATION	2	6	5.00%
COMPLEX NUMBER	3	10	8.33%
LOGARITHM	1	3	2.50%
COMPOUND ANGLE	1	3	2.50%
TRIGONO	3	10	8.33%
TRIGONOMETRIC EQUATION	1	3	2.50%
INVERSE TRIGONOMETRIC FUNCTION	1	3	2.50%
SOLUTION OF TRIANGLES	1	4	3.33%
CALCULUS	9	30	25.00%
FUNCTION	1	4	3.33%
LIMIT, CONTINUITY & DIFFERENTIABILITY	2	7	5.83%
INDEFINITE INTEGRATION	1	4	3.33%
DEFINITE INTEGRATION	2	6	5.00%
DIFFERENTIAL EQUATION	2	6	5.00%
AREA UNDER CURVE	1	3	2.50%
COORDINATE GEOMETRY	5	17	14.17%
CIRCLE	2	7	5.83%
PARABOLA	1	4	3.33%
ELLIPSE	1	3	2.50%
HYPERBOLA	1	3	2.50%
VECTOR & 3D	3	12	10.00%
VECTOR	1	4	3.33%
3-D	2	8	6.67%
APPLICATION OF DERIVATIVES	1	4	3.33%
DETERMINANT & MATRICES	3	9	7.50%
PROBABILITY	3	9	7.50%
TOTAL	36	120	100.00%