

PAPER ANALYSIS FOR EACH SUBJECT OF JEE (ADVANCED) 2019

A Detailed Analysis by **ALLEN**

JEE (Advanced) 2019 online exam held on 27th may, 2019 and result will be declared on 14th june, 2019. The online exam was held at various cities across india & abroad too.

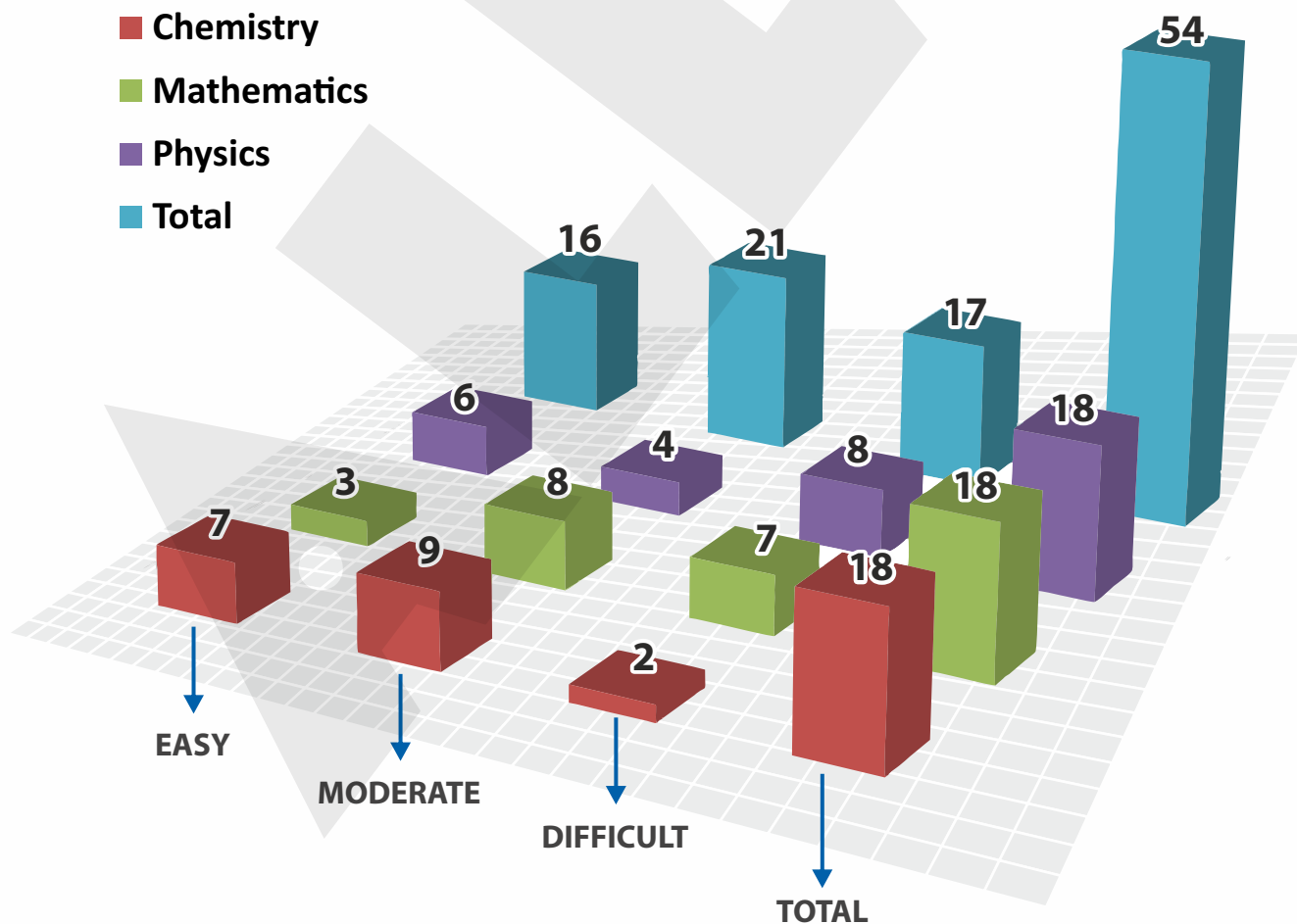
JEE (Advanced) 2019 was conducted in two parts (paper 1 & paper 2). Paper 1 was conducted from 9:00 am to 12:00 pm in morning session & paper 2 was conducted from 2:00 pm to 5:00 pm in evening session for students applying for engineering seats in engineering colleges.

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	Moderate	Difficult	Total
Chemistry	7	9	2	18
Mathematics	3	8	7	18
Physics	6	4	8	18
Total	16	21	17	54

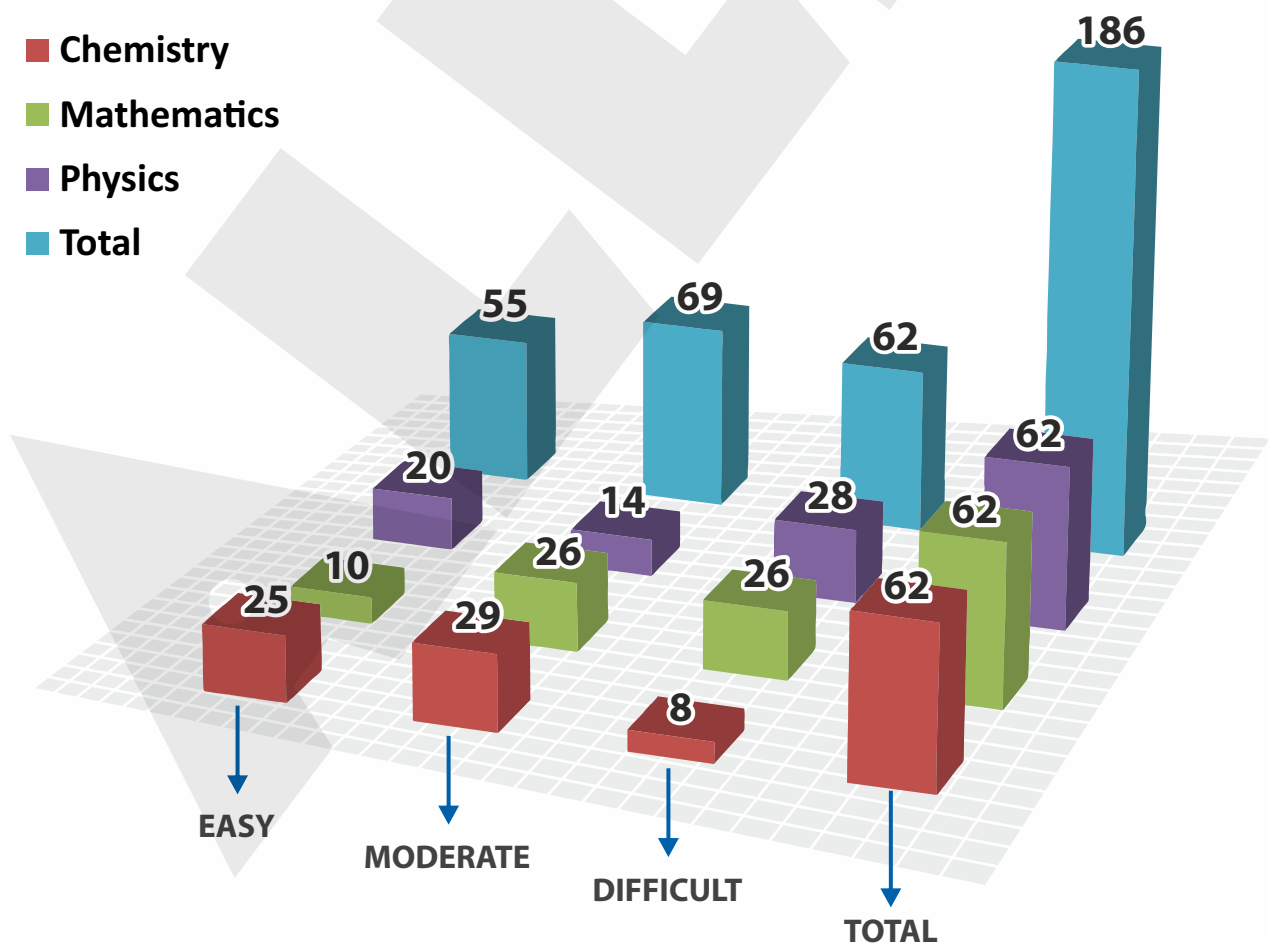
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : MARKS WISE (PAPER - 1)

Subject	Easy	Moderate	Difficult	Total
Chemistry	25	29	8	62
Mathematics	10	26	26	62
Physics	20	14	28	62
Total	55	69	62	186

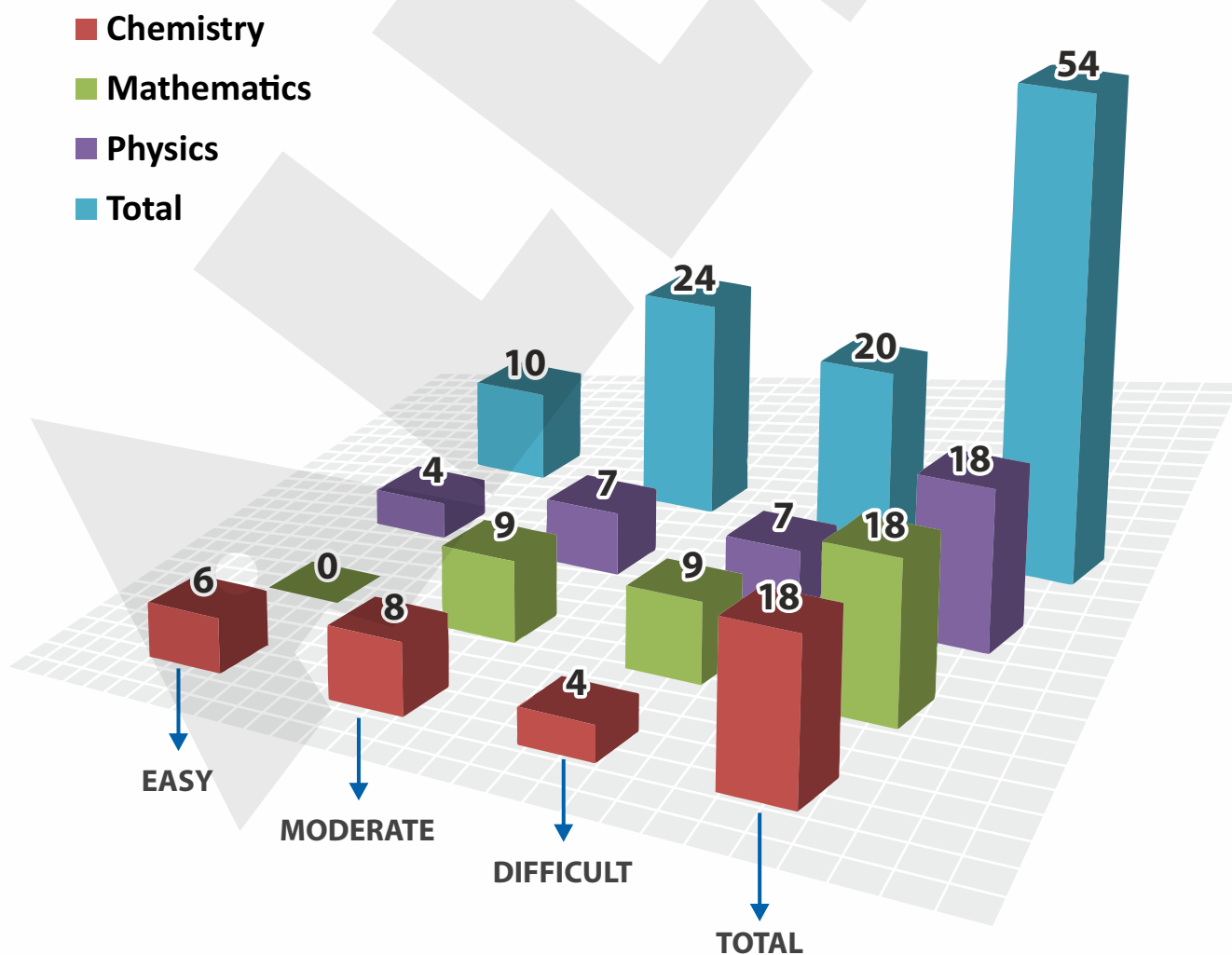
Marks wise level distribution (Graphical Representation)



Difficulty Level Analysis : QUESTION WISE (PAPER - 2)

Subject	Easy	Moderate	Difficult	Total
Chemistry	6	8	4	18
Mathematics	0	9	9	18
Physics	4	7	7	18
Total	10	24	20	54

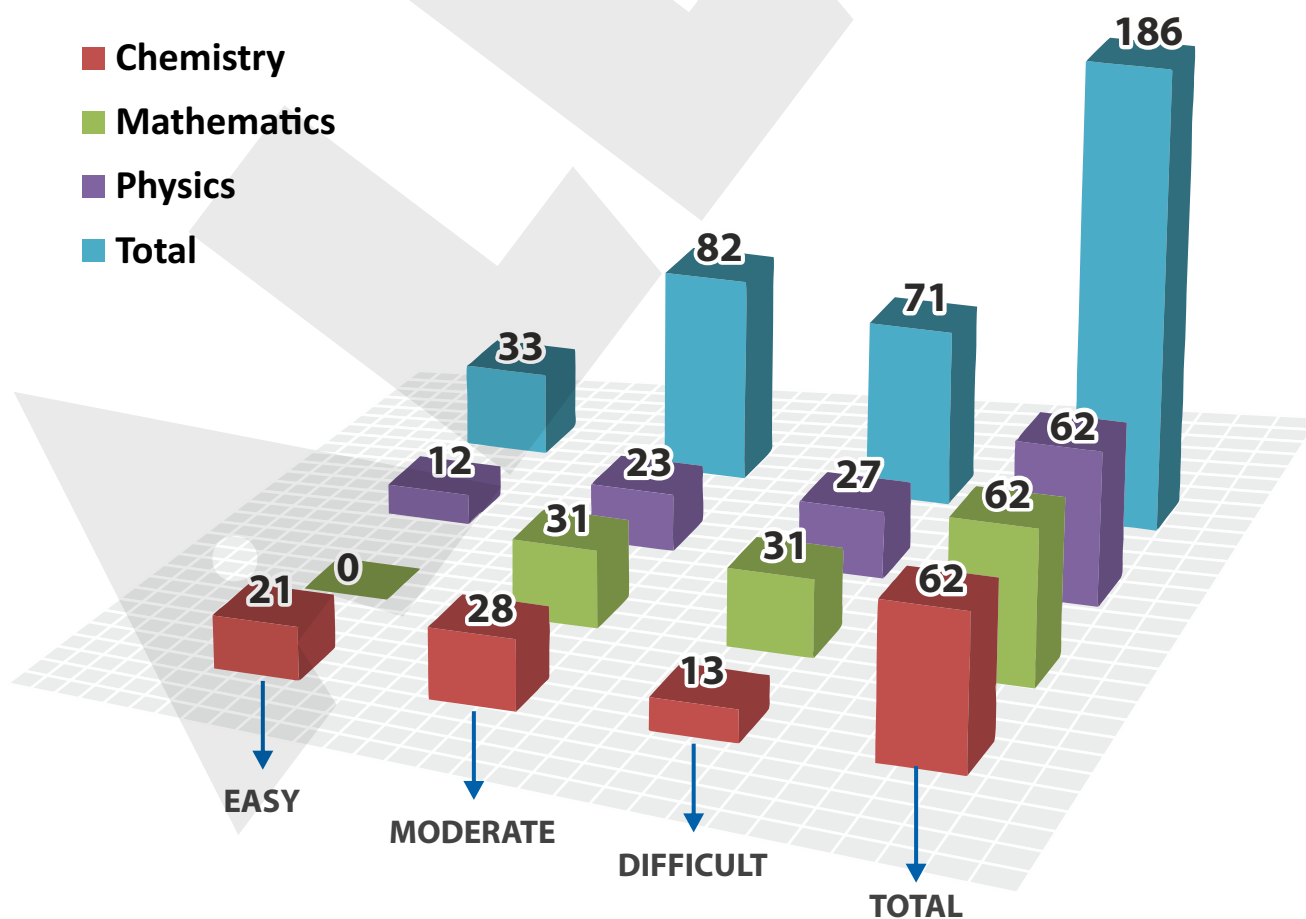
Questions wise level distribution (Graphical Representation)



Difficulty Level Analysis : MARKS WISE (PAPER - 2)

Subject	Easy	Moderate	Difficult	Total
Chemistry	21	28	13	62
Mathematics	0	31	31	62
Physics	12	23	27	62
Total	33	82	71	186

Marks wise level distribution (Graphical Representation)



Chapter	No. of Question	Marks	% Weightage
MECHANICS	6	22	17.74%
UNIT & DIMENSION	1	4	3.23%
KINEMATICS	1	3	2.42%
WORK POWER ENERGY	2	7	5.65%
CENTER OF MASS	1	4	3.23%
ROTATIONAL DYNAMICS	1	4	3.23%
HEAT & THERMODYNAMICS	7	23	18.55%
CALORIMETRY	2	6	4.84%
KTG & THERMODYNAMICS	4	14	11.29%
ELASTICITY & THERMAL EXPANSION (Question was combined with Error in Measurements & Instruments)	1	3	2.42%
MECHANICAL WAVE	3	9	7.26%
WAVE ON STRING	2	6	4.84%
SOUND	1	3	2.42%
FLUID MECHANICS	1	4	3.23%
GEOMETRICAL OPTICS	4	14	11.29%
ELECTROSTATICS	3	11	8.87%
GRAVITATION	1	3	2.42%
CURRENT ELECTRICITY	1	4	3.23%
CAPACITOR	2	7	5.65%
ELECTRO MAGNETIC INDUCTION	2	7	5.65%
MODERN PHYSICS	4	13	10.48%
WAVE OPTICS	1	4	3.23%
ERROR IN MEASUREMENTS & INSTRUMENTS (Questions was combined with Radioactivity)	1	3	2.42%
TOTAL	36	124	100.00%

Chapter	No. of Questions	Marks	% Weightage
INORGANIC CHEMISTRY			
PERIODIC TABLE & CHEMICAL BONDING	2	7	5.65%
COORDINATION CHEMISTRY	1	3	2.42%
METALLURGY	2	7	5.65%
SALT ANALYSIS	2	7	5.65%
S, P, D-BLOCK & HYDROGEN AND ITS COMPOUND	5	18	14.52%
ORGANIC CHEMISTRY			
GENERAL ORGANIC CHEMISTRY	1	3	2.42%
ISOMERISM	1	3	2.42%
HYDROCARBON	2	7	5.65%
CARBONYL COMPOUNDS	2	6	4.84%
AROMATIC HYDROCARBON	2	7	5.65%
BIOMOLECULES	1	4	3.23%
POLYMER & PRACTICAL ORGANIC CHEMISTRY	1	4	3.23%
MIXED (CARBONYL COMPOUNDS & AROMATIC HYDROCARBON)	1	4	3.23%
MIXED (AROMATIC HYDROCARBON, CARBOXYLIC ACID AND THEIR DERIVATIVES & AMINES, ALCOHOL & ETHER, HALOGEN DERIVATIVE)	1	4	3.23%
PHYSICAL CHEMISTRY			
MOLE CONCEPT & REACTION STOICHIOMETRY	1	3	2.42%
GASEOUS STATE	1	4	3.23%
ATOMIC STRUCTURE	3	10	8.06%
CHEMICAL EQUILIBRIUM	1	3	2.42%
THERMOCHEMISTRY	1	4	3.23%
CHEMICAL KINETICS & RADIOACTIVITY	3	10	8.06%
SURFACE CHEMISTRY & ELECTROCHEMISTRY	1	3	2.42%
LIQUID SOLUTION	1	3	2.42%
TOTAL	36	124	100.00%

Chapter	No. of Question	Marks	% Weightage
ALZEBRA	6	19	15.32%
QUADRATIC EQUATION	0	0	0.00%
SEQUENCE & SERIES	2	7	5.65%
PERMUTATION & COMBINATION	1	3	2.42%
COMPLEX NUMBER	2	6	4.84%
BINOMIAL THEOREM	1	3	2.42%
LOGARITHM	0	0	0.00%
TRIGONO	5	17	13.71%
TRIGONOMETRIC RATIO IDENTITIES	1	4	3.23%
TRIGONOMETRIC EQUATION	2	6	4.84%
INVERSE TRIGONOMETRIC FUNCTION	1	3	2.42%
SOLUTION OF TRIANGLES	1	4	3.23%
CALCULUS	6	21	16.94%
FUNCTION	0	0	0.00%
LIMIT, CONTINUITY & DIFFERENTIABILITY	1	4	3.23%
METHOD OF DIFFERENTIATION	0	0	0.00%
INDEFINITE INTEGRATION	0	0	0.00%
DEFINITE INTEGRATION	3	10	8.06%
DIFFERENTIAL EQUATION	1	4	3.23%
AREA UNDER CURVE	1	3	2.42%
APPLICATION OF DERIVATIVES	3	12	9.68%
TANGENT & NORMAL	0	0	0.00%
MONOTONICITY	0	0	0.00%
MAXIMA & MINIMA	3	12	9.68%
COORDINATE GEOMETRY	5	16	12.90%
STRAIGHT LINE	0	0	0.00%
CIRCLE	4	12	9.68%
PARABOLA	0	0	0.00%
ELLIPSE	1	4	3.23%
HYPERBOLA	0	0	0.00%
VECTOR & 3D	4	14	11.29%
VECTOR	2	7	5.65%
3-D	2	7	5.65%
DETERMINANT & MATRICES	4	15	12.10%
PROBABILITY	3	10	8.06%
TOTAL	36	124	100.00%

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