



## **JEE (Advanced) – 2016 Question Paper Analysis:**

JEE (advanced) – 2016 had two Papers, Paper-1 and Paper-2, each containing three parts, Physics, Chemistry and Mathematics. Each part in each paper had 18 questions each.

In Paper-1, each part had three sections, first being 5 Single correct answer Type for 3 marks each with -1 mark, second section contains 8 More than one answer type for 4 marks each and '-2' for wrong answers, partial marks +1 darkening a bubble corresponding to each correct option provided NO incorrect option is darkened. Section three consists of 5 Integer Type for correct answer +3 marks without negative marks. For each subject the question paper is set for a total of 62 marks. And for all subjects together a grand total of 186 marks.

In Paper-1, In physics 4 to 5 questions are tough. Questions from MECHANICS, PROPERTIES OF MATTER, HEAT TRANSFER are good and lengthy. In chemistry there are 5 to 6 difficult questions. Paper is good. Only real worthy students do it well. Relatively Maths paper is difficult (lengthy) which fetches AP and TS students only. Attempting all the questions take time and those who are trying them, must lose marks. But it is very difficult for a common student for attempting all the questions in the given time.

In Paper-2, each part had three sections: first being 6 Single correct answer Type for 3 marks each with -1 mark. Section-2 was with 8 More than one answer type option each carries 4 marks and for wrongly attempted question '-2' marks, partial marks +1 darkening a bubble corresponding to each correct option provided NO incorrect option is darkened. Section-3 was Comprehension type (two questions) with one correct option, for correct answer +3 marks and for wrongly attempted question '0' marks will be awarded. For each subject the question paper is set for a total of 62 marks. And for all subjects together a grand total of 186 marks. Finally jee-Advanced-2016 was conducted for 372 marks. In 2015 it was conducted for 504 marks.

Again Paper-2 In Physics all questions are tough testing the conceptual clarity of the students. Due to negative marking students may face the difficulty. All the questions are framed within the syllabus. In chemistry all the questions are concept testing, students with through knowledge only can answer. Most of them are multi conceptual especially in physical chemistry. Paper is good only real worthy students do it well. Relatively Maths paper is difficult (lengthy) which fetches AP and TS students only. Attempting all the questions take time and those who are trying, must lose marks. But it is very difficult for a common student for attempting all the questions in the given time.

After long time IIT PAPER SETTERS have done a nice job.

### ➤ **Salient Points**

#### **I. Performance in JEE (Main) 2016.**

Candidates should be among the top 2,00,000 (including all categories) by scoring positive marks in Paper-1 of JEE (Main) 2016.

The percentages of various categories are: 27% for OBC-NCL, 15% for SC, 7.5% for ST and the remaining 50.5% is OPEN for all. Within each of these four categories, 3% horizontal reservation is available for PwD (including Dyslexic) candidates.

As shown in the following table, the usual order will be followed while choosing top 2,00,000 candidates in various categories who have scored positive marks in JEE (Main) 2016.

Order	Category	Number of Candidates	Total
1	OPEN	97,970	1, 01, 000
2	OPEN-PwD	3,030	
3	OBC-NCL	52,380	54,000
4	OBC-NCL-PwD	1,620	
5	SC	29,100	30,000
6	SC-PwD	900	
7	ST	14,550	15,000
8	ST-PwD	450	

## II. Age limit.

Candidates should have been born on or after October 1, 1991. Five years relaxation is given to SC, ST and PwD candidates, i.e., these candidates should have been born on or after October 1, 1986.

## III. Number of attempts.

A candidate can attempt JEE (Advanced) a maximum of two times in consecutive years. Therefore, candidates who appeared in JEE (Advanced) 2015 for the first time are also eligible.

## IV. Appearance in Class XII (or equivalent) examination.

A candidate should have appeared for the Class XII (or equivalent) examination for the first time in all the subjects in either 2015 or 2016.

Candidates who appeared for the Class XII (or equivalent) examination in 2015 and wish to re-appear in the same in 2016 (either for improvement or because they failed in one or more subjects), will have to re-appear in all the subjects in 2016.

Those who appeared for the first time in their Class XII (or equivalent) examination in 2014 or earlier are NOT eligible. However, candidates whose Class XII (or equivalent) examination Board results for the academic year 2013-14 were declared after June 2014 are eligible to appear in JEE (Advanced) 2016.

## V. Earlier admission at IITs/ISM.

A candidate should **NOT** have been admitted in an IIT/ISM (irrespective of whether or not he/she continued in the program) **OR** even accepted the IIT/ISM seat by reporting at a reporting centre in the past. The candidates whose admission at IITs or ISM was cancelled are also **NOT** eligible. Candidates who have been admitted to a preparatory course in any of the IITs for the first time in 2015 can appear in JEE (Advanced) 2016. The candidates who have paid seat acceptance fee but not accepted the seat by not reporting at the reporting centre during joint seat allocation in 2015 are also eligible.

➤ **Jee Advanced 2015 Subject wise Cut-Off Marks :**

RANK LIST	Qualifying marks (Mathematics)	Qualifying marks (Physics)	Qualifying marks (Chemistry)	Qualifying marks (Aggregate)	Category	PwD
Common rank list	≥12	≥12	≥12	≥12	ANY	ANY
OBC-NCL rank list	≥11	≥11	≥11	≥112	OBC-NCL	ANY
SC rank list	≥6	≥6	≥6	≥62	SC	ANY
ST rank list	≥6	≥6	≥6	≥62	ST	ANY
OPEN-PwD rank list	≥6	≥6	≥6	≥62	ANY	YES
OBC-NCL-PwD rank list	≥6	≥6	≥6	≥62	OBC-NCL	YES
SC-PwD rank list	≥6	≥6	≥6	≥62	SC	YES
ST-PwD rank list	≥6	≥6	≥6	≥62	ST	YES

➤ **Minimum Percentage of marks for inclusion in a rank list**

Rank list	Minimum percentage of marks in each subject	Minimum percentage of aggregate marks
Common rank list	7.00	24.500
OBC-NCL rank list	6.30	22.050
SC rank list	3.50	12.250
ST rank list	3.50	12.250
OPEN-PwD rank list	3.50	12.250
OBC-NCL-PwD rank list	3.50	12.250
SC-PwD rank list	3.50	12.250
ST-PwD rank list	3.50	12.250
Preparatory course rank lists	1.75	6.125

- Maximum aggregate marks: 264 (Paper-1) + 240 (Paper-2) = 504
- Maximum marks in Physics: 88 (Paper-1) + 80 (Paper-2) = 168
- Maximum marks in Chemistry: 88 (Paper-1) + 80 (Paper-2) = 168
- Maximum marks in Mathematics: 88 (Paper-1) + 80 (Paper-2) = 168

➤ **Jee Advanced 2016 Expected Cut-Off Marks :-**

Rank List	Qualifying Marks Aggregate	Qualifying Marks Aggregate %
Common Merit List (CML)	92	24.6
OBC-NCL Rank List (OBC)	83	22.2
SC Rank List (SC)	44	12.3
ST Rank List (ST)	45	12.3

- Maximum aggregate marks: 186 (Paper-1) + 186 (Paper-2) = 372
- Maximum marks in Physics: 62 (Paper-1) + 62 (Paper-2) = 124
- Maximum marks in Chemistry: 62 (Paper-1) + 62 (Paper-2) = 124
- Maximum marks in Mathematics: 62 (Paper-1) + 62 (Paper-2) = 124

## 2016\_JEE-ADVANCED DETAILED ANALYSIS

### MATHEMATICS\_PAPER-1

#### 2016\_JEE-Adv\_Mathematics\_P-1\_Topic Wise Analysis

		PAPER – 1				
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	NO OF Q'S			MARKS	%
		Single	Multiple	Integer		
<b>ALGEBRA</b>		4	1	3	25	41%
<b>PURE ALGEBRA</b>	<b>BINOMIAL THEOREM</b>			1	3	5%
	<b>MATRIX AND DETERMINANTS AND LINEAR EQUATIONS</b>		1	1	7	11%
	<b>QUADRATIC EQUATION</b>	1			3	5%
	<b>PROGRESSIONS</b>	1			3	5%
	<b>COMPLEX NUMBERS</b>			1	3	5%
	<b>LOGARITHMS</b>					
<b>DISCRETE ALGEBRA</b>	<b>PERMUTATIONS AND COMBINATIONS</b>	1			3	5%
	<b>PROBABILITY &amp; RANDUM VARIABLE</b>	1			3	5%
<b>VECTOR ALGEBRA</b>	<b>PROPERTIES OF VECTORS</b>					
	<b>SCALAR PRODUCT, VECTOR PRODUCT, TRIPLE PRODUCT</b>					
	<b>VECTOR EQUATIONS</b>					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	Marks	%
<b>CO-ORDINATE GEOMETRY</b>			3		12	19%
<b>2D- GEOMETRY</b>	<b>CO-ORDINATE SYSTEM</b>					
	<b>STRAIGHT LINE &amp; PAIR OF STRAIGHT LINES</b>					
	<b>CIRCLES &amp; SYSTEM OF CIRCLES</b>		2		8	13%
	<b>PARABOLA</b>					
	<b>ELLIPSE</b>					
	<b>HYPERBOLA</b>					
<b>3D- GEOMETRY</b>	<b>CO-ORDINATE SYSTEM</b>					
	<b>DC'S &amp; DR'S</b>					
	<b>PLANES &amp; LINES</b>		1		4	6%

NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	Marks	%
<b>CALCULUS</b>			<b>3</b>	<b>2</b>	<b>18</b>	<b>29%</b>
<b>DIFFERENTIAL CALCULUS</b>	<b>FUNCTIONS</b>		<b>1</b>		<b>4</b>	<b>6%</b>
	<b>LIMITS</b>		<b>1</b>	<b>1</b>	<b>7</b>	<b>11%</b>
	<b>CONTINUITY &amp; DIFFERENTIABILITY</b>					
	<b>MONOTONICITY &amp; MAXIMA &amp; MINIMA and MEAN-VALUE THEOREMS</b>			<b>1</b>	<b>3</b>	<b>5%</b>
	<b>TANGENTS AND NORMALS</b>					
	<b>RATE MEASURE &amp; ERRORS</b>					
<b>INTEGRAL CALCULUS</b>	<b>INDEFINITE INTEGRATION</b>					
	<b>DEFINITE INTEGRATION</b>					
	<b>AREAS</b>					
	<b>DIFFERENTIAL EQUATIONS</b>		<b>1</b>		<b>4</b>	<b>6%</b>
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	Marks	%
<b>TRIGONOMETRY</b>		<b>1</b>	<b>1</b>		<b>7</b>	<b>11%</b>
<b>BASIC TRINOMETRY</b>	<b>TRIGONOMETRIC IDENTITIES &amp; RATIOS</b>					
	<b>TRIGONOMETRIC EQUATIONS</b>	<b>1</b>			<b>3</b>	<b>5%</b>
	<b>INVERSE TRIGONOMETRY</b>					
<b>APPLIED TRIGONOMETRY</b>	<b>PROPERTIES OF TRIANGLES</b>		<b>1</b>		<b>4</b>	<b>6%</b>
	<b>TRIGONOMETRIC CURVES</b>					
	<b>MISCELLENUOUS</b>					
<b>TOTAL</b>		<b>5</b>	<b>8</b>	<b>5</b>	<b>60</b>	<b>100%</b>
<b>Max. of Questions</b>		<b>18</b>				

## PHYSICS\_PAPER-1

### 2016\_JEE-Adv\_Physics\_P-1\_Topic Wise Analysis

		PAPER – 1				
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	NO OF Q'S			MARKS	%
		Single	Multiple	Integer		
<b>MECHANICS</b>		1	2		11	18%
<b>MECHANICS</b>	Units & Dimensions		1		4	6%
	Vectors					
	Projectile motion		1		4	6%
	Newton's Laws of Motion					
	Friction	1			3	
	Work Power Energy					
	Centre of Mass					
	Rotational Mechanics					
	Gravitation					
	Simple Harmonic Motion					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
<b>Fluid Mechanics &amp; Properties of Matter</b>				1	3	5%
<b>Fluid Mechanics &amp; Properties of Matter</b>	Fluids					
	Surface Tension					
	Properties of matter			1	3	5%
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
<b>HEAT &amp; THERMODYNAMICS</b>		1	1	1	10	16%
<b>HEAT &amp; THERMODYNAMICS</b>	Thermometry					
	Heat Transfer	1	1	1	10	16%
	KTG & Thermodynamics					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
<b>WAVES &amp; OPTICS</b>		1	3		15	24%
<b>WAVES &amp; OPTICS</b>	Waves		1		4	6%
	Geometrical Optics	1	2		11	18%
	Wave Optics					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
<b>ELECTRODYNAMICS</b>		2	2	3	23	37%
<b>ELECTRODYNAMICS</b>	Electrostatics					
	Capacitors					
	Current Electricity	1			3	5%
	Electromagnetic Field					
	Electromagnetic Induction		1	1	7	11%
	AC Circuits					
<b>MODERN PHYSICS</b>	Modern Physics	1	1	2	13	21%
	Total	5	8	5	62	100%
	Max. Of Questions	18				

## CHEMISTRY\_PAPER- 1

### 2016\_JEE-Adv\_Chemistry\_P1\_Topic Wise Analysis

		PAPER – 1				
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	NO OF Q'S			MARKS	%
		Single	Multiple	Integer		
<b>Physical Chemistry</b>		2	2	3	23	37%
<b>PHYSICAL CHEMISTRY</b>	1. Atomic Structure	1			3	5%
	2. States Of Matter			1	3	5%
	3.Redox reactions					
	4. Stoichiometry			1	3	5%
	5. Thermodynamics & Thermochemistry	1			3	5%
	6. Chemical Equilibrium		1		4	6%
	7. Ionic Equilibrium					
	8. Solutions			1	3	5%
	9. Chemical Kinetics		1		4	6%
	10. Nuclear Chemistry					
	11. Electro Chemistry					
	12. Solid State					
	13. Surface Chemistry					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
<b>Inorganic Chemistry</b>		2	2	1	21	34%
<b>Inorganic Chemistry</b>	14. Classification Of Elements & Periodicity in Properties					
	15. Chemical Bonding		1		4	6%
	16. Hydrogen And It's Compounds					
	17. S-Block Elements (Alkali & Alkaline earth Metals)					
	18. P-Block Elements (Group 13-18 Elements)	1	1		7	11%
	19. Metallurgy					
	20. D -Block Elements/ Coordination Chemistry	1			3	5%
	21. Coordination Chemistry			1	3	5%
	22. Qualitative Inorganic Chemistry		1		4	6%

NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Integer	MARKS	%
Organic Chemistry		1	3	1	18	29%
Organic Chemistry	23. General Organic Chemistry & Hydrocarbons			1	3	5%
	24. Alkyle halides , Alcohols, phenols & Ethers		1		4	6%
	25. Carbonyle Compounds (Aldehydes & Ketones)		1		4	6%
	26. Corboxylic Acids & Their Derivatives					
	27. Nitrogen Containing Compounds		1		4	6%
	28. Carbohydrates, Amino acids & Polymers	1			3	5%
	29. Practical Organic Chemistry					
Total		5	8	5	62	100%
Max. Of Questions		18				

## XI & XII Class wise Analysis

### CLASS-XI ANALYSIS

Subject	Class XI			Marks	%
	No. of Questions				
	Single	Multiple	Integer		
Chemistry	2	2	2	20	32%
Maths	2	5	4	38	61%
Physics	2	4	2	28	45%

### CLASS-XII ANALYSIS

Subject	Class XI			Marks	%
	No. of Questions				
	Single	Multiple	Integer		
Chemistry	3	6	3	42	68%
Maths	2	3	2	24	39%
Physics	3	4	3	34	55%



**Question Standard Analysis\_Paper-1\_Jee-Advanced – 2016****MATHEMATICS**

Subject	<b>Mathematics</b>		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	3	1	3
Medium Level	2	6	2
Difficult Level	-	1	-

**PHYSICS**

Subject	<b>PHYSICS</b>		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	4	6	5
Medium Level	-	1	-
Difficult Level	1	1	-

**CHEMISTRY**

Subject	<b>CHEMISTRY</b>		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	3	2	-
Medium Level	2	5	3
Difficult Level	-	1	2

## MATHEMATICS\_PAPER-2

### 2016\_JEE-Adv\_Mathematics\_P-2\_Topic Wise Analysis

NAME OF THE TOPIC	NAME OF THE SUBTOPIC	PAPER – 1			MARKS	%	
		NO OF Q'S					
		Single	Multiple	Paragraph			
<b>ALGEBRA</b>		3	3	2	27	43%	
<b>PURE ALGEBRA</b>	<b>BINOMIAL THEOREM</b>						
	<b>MATRIX AND DETERMINANTS AND LINEAR EQUATIONS</b>	1	1		7	11%	
	<b>QUADRATIC EQUATION</b>						
	<b>PROGRESSIONS</b>	2			6	10%	
	<b>COMPLEX NUMBERS</b>		1		4	6%	
	<b>LOGARITHMS</b>						
<b>DISCRETE ALGEBRA</b>	<b>PERMUTATIONS AND COMBINATIONS</b>						
	<b>PROBABILITY &amp; RANDUM VARIABLE</b>			2	3	10%	
<b>VECTOR ALGEBRA</b>	<b>PROPERTIES OF VECTORS</b>						
	<b>SCALAR PRODUCT, VECTOR PRODUCT, TRIPLE PRODUCT</b>		1		4	6%	
	<b>VECTOR EQUATIONS</b>						
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	Marks	%	
<b>CO-ORDINATE GEOMETRY</b>							
<b>2D- GEOMETRY</b>	<b>CO-ORDINATE SYSTEM</b>						
	<b>STRAIGHT LINE &amp; PAIR OF STRAIGHT LINES</b>						
	<b>CIRCLES &amp; SYSTEM OF CIRCLES</b>						
	<b>PARABOLA</b>		1		4	6%	
	<b>ELLIPSE</b>				2	6	10%
	<b>HYPERBOLA</b>						

3D- GEOMETRY	CO-ORDINATE SYSTEM					
	DC'S & DR'S					
	PLANES & LINES	1			3	5%
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	Marks	%
CALCULUS		2	4		22	36%
DIFFERENTIAL CALCULUS	FUNCTIONS					
	LIMITS		2		8	13%
	CONTINUITY & DIFFERENTIABILITY		2		8	13%
	MONOTONICITY & MAXIMA & MINIMA and MEAN-VALUE THEOREMS					
	TANGENTS AND NORMALS					
	RATE MEASURE & ERRORS					
INTEGRAL CALCULUS	INDEFINITE INTEGRATION					
	DEFINITE INTEGRATION	1			3	5%
	AREAS	1			3	5%
	DIFFERENTIAL EQUATIONS					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	Marks	%
TRIGONOMETRY						
BASIC TRINOMETRY	TRIGONOMETRIC IDENTITIES & RATIOS					
	TRIGONOMETRIC EQUATIONS					
	INVERSE TRIGONOMETRY					
APPLIED TRIGONOMETRY	PROPERTIES OF TRIANGLES					
	TRIGONOMETRIC CURVES					
	MISCELLENUOUS					
TOTAL		6	8	4	62	100%
Max. of Questions		18				

**PHYSICS\_PAPER-2**  
**2016\_JEE-Adv\_Physics\_P-2\_Topic Wise Analysis**

		PAPER – 1				
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	NO OF Q'S			MARKS	%
		Single	Multiple	Paragraph		
<b>MECHANICS</b>		1	3	2	21	64%
<b>MECHANICS</b>	Units & Dimensions	1	1		7	11%
	Vectors					
	Projectile motion					
	Newton's Laws of Motion					
	Friction					
	Work Power Energy					
	Centre of Mass					
	Rotational Mechanics		1	2	10	16%
	Gravitation					
Simple Harmonic Motion		1		4	16%	
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
<b>Fluid Mechanics &amp; Properties of Matter</b>						
<b>Fluid Mechanics &amp; Properties of Matter</b>	Fluids					
	Surface Tension					
	Properties of matter					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
<b>HEAT &amp; THERMODYNAMICS</b>		2			6	10%
<b>HEAT &amp; THERMODYNAMICS</b>	Thermometry					
	Heat Transfer	1			3	5%
	KTG & Thermodynamics	1			3	5%
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
<b>WAVES &amp; OPTICS</b>	<b>WAVE &amp; OPTICS</b>	1	1		7	11%
	Waves					
	Geometrical Optics	1			3	5%
	Wave Optics		1		4	6%
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
<b>ELECTRODYNAMICS</b>		2	4	2	28	45%
<b>ELECTRODYNAMICS</b>	Electrostatics			2	6	10%
	Capacitors					
	Current Electricity		1		4	6%
	Electromagnetic Field		1		4	6%
	Electromagnetic Induction		1		4	6%
	AC Circuits					
<b>MODERN PHYSICS</b>	Modern Physics	2	1		10	16%
	Total	6	8	4	62	100%
	Max. Of Questions	18				

## CHEMISTRY\_PAPER-2

### 2016\_JEE-Adv\_Chemistry\_P2\_Topic Wise Analysis

		PAPER – 1				
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	NO OF Q'S			MARKS	%
		Single	Multiple	Paragraph		
	Physical Chemistry	2	2	2	20	32%
PHYSICAL CHEMISTRY	1. Atomic Structure					
	2. States Of Matter	1			3	5%
	3. Redox reactions					
	4. Stoichiometry					
	5. Thermodynamics & Thermochemistry					
	6. Chemical Equilibrium			1	3	5%
	7. Ionic Equilibrium & Thermodynamics			1	3	5%
	8. Solutions		1		4	6%
	9. Chemical Kinetics					
	10. Nuclear Chemistry					
	11. Electro Chemistry	1			3	5%
	12. Solid State		1		4	6%
	13. Surface Chemistry					
NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
	Inorganic Chemistry	2	3		18	29%
Inorganic Chemistry	14. Classification Of Elements & Periodicity in Properties					
	15. Chemical Bonding		1		4	6%
	16. Hydrogen And It's Compounds					
	17. S-Block Elements (Alkali & Alkaline earth Metals)					
	18. P-Block Elements (Group 13-18 Elements)	1	1		7	11%
	19. Metallurgy		1		4	6%
	20. D -Block Elements/ Coordination Chemistry					
	21. Coordination Chemistry	1			3	5%
	22. Qualitative Inorganic Chemistry					

NAME OF THE TOPIC	NAME OF THE SUBTOPIC	Single	Multiple	Paragraph	MARKS	%
	Organic Chemistry	2	3	2	24	39%
Organic Chemistry	23. General Organic Chemistry & Hydrocarbons	1	1		7	11%
	24. Alkyl halides, Alcohols, phenols & Ethers	1			3	5%
	25. Carbonyl Compounds (Aldehydes & Ketones)		1		4	6%
	26. Carboxylic Acids & Their Derivatives					
	27. Nitrogen Containing Compounds					
	28. Biomolecules, Aromatic compounds & Nitrogen Containing Compounds		1	2	10	16%
	29. Practical Organic Chemistry					
	Total	6	8	4	62	1000%
	Max. Of Questions	18				

### XI & XII Class wise Analysis

#### CLASS-XI ANALYSIS

#### CLASS-XII ANALYSIS

Subject	Class XI			Marks	%
	No. of Questions				
	Single	Multiple	Paragraph		
Chemistry	3	2	2	23	37%
Maths	4	7	-	40	65%
Physics	2	3	2	24	39%

#### CLASS-XII ANALYSIS

Subject	Class XI			Marks	%
	No. of Questions				
	Single	Multiple	Paragraph		
Chemistry	3	6	2	39	63%
Maths	2	1	4	22	35%
Physics	4	5	2	38	61%

## Question Standard Analysis\_Paper-2\_Jee-Advanced – 2016

### MATHEMATICS

Subject	Mathematics		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	2	0	2
Medium Level	2	4	2
Difficult Level	2	4	-

### PHYSICS

Subject	Physics		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	3	3	-
Medium Level	-	2	2
Difficult Level	3	3	2

### CHEMISTRY

Subject	Chemistry		
	No. of Questions		
	Single	Multiple	Integer
Easy Level	1	1	2
Medium Level	3	3	1
Difficult Level	2	4	1