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## JEE Advanced 2018

### QUESTION PAPER ANALYSIS

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## GENERAL OVERVIEW

- ❖ **JEE Advanced 2018 Exam Date:** 20<sup>th</sup> May 2018 (Paper 1- 9:00 AM – 12:00 PM; Paper 2 – 2:00 PM – 5:00 PM)
- ❖ **Mode of Examination:** Online
- ❖ **Subject:** Physics, Chemistry & Mathematics
- ❖ **Paper Pattern & Marking Scheme**

Paper	Question Pattern, Marking Scheme, Total Number of Questions & Marks				
Paper 1	Section	Question Pattern	Marking Scheme	No. of Q.	Total Marks
	Sec 1	Multiple Answers Correct Type	+4 for correct, +1 for Partial correct, -2 for wrong	6	24
	Sec 2	Numerical Answer Type	+3 for Correct, No Negative Marking	8	24
	Sec 3	Comprehension	+3 for correct, -1 for wrong	4	12
Paper 2	Section	Question Pattern	Marking Scheme	No. of Q.	Total Marks
	Sec 1	Multiple Answers Correct Type	+4 for correct, +1 for Partial correct, -2 for wrong	6	24
	Sec 2	Numerical Answer Type	+3 for Correct, No Negative Marking	8	24
	Sec 3	Column Matching	+3 for correct, -1 for wrong	4	12

- ❖ **Maximum Marks:** 180 (Paper 1) + 180 (Paper 2) – 360
- ❖ **Change/Twist in Paper Pattern:** There was a twist in Integer/Numerical type question. Till last year, students had to answer in a single digit for this type of question but this year, students had to answer up to 2 digits after decimal.

### Clarification regarding answers of Numerical-Answer-Type questions by JEE Advanced:

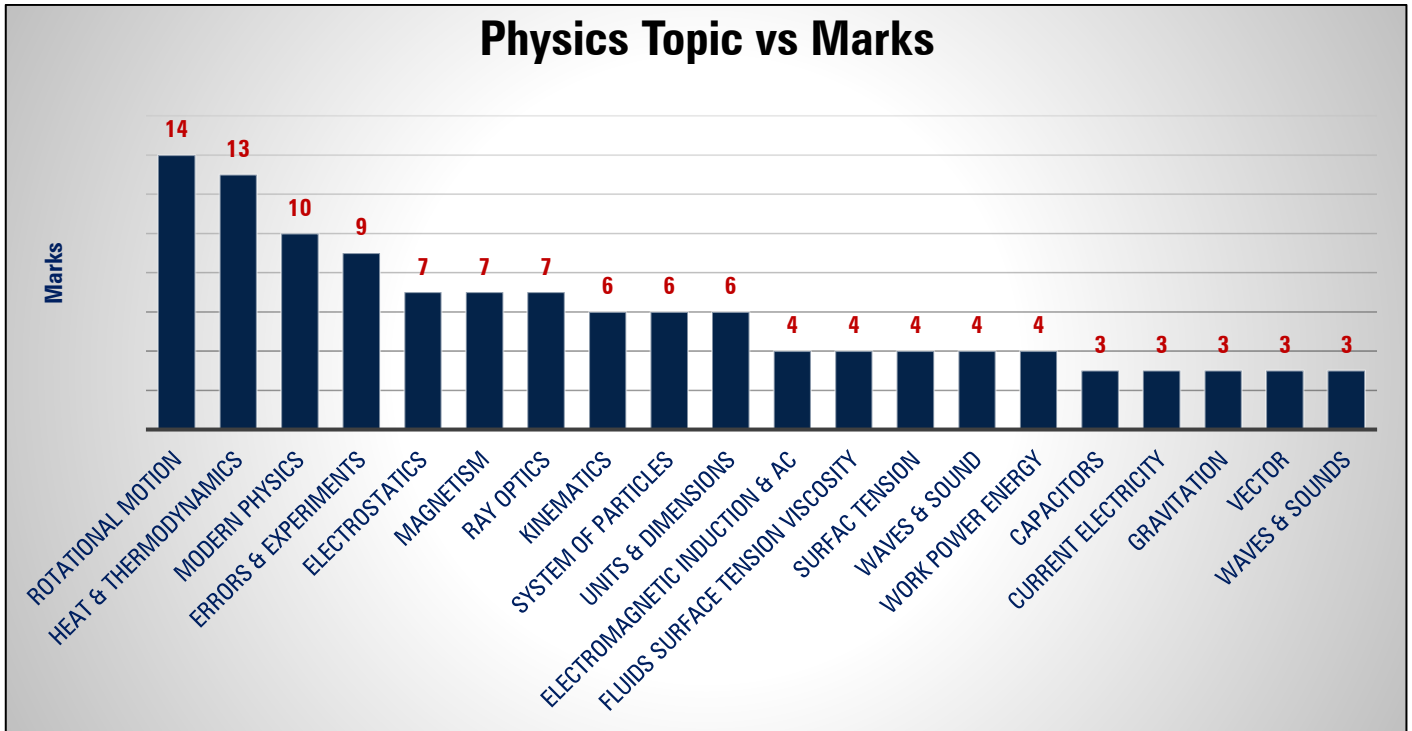
- For Numerical-Answer-Type questions, the numerical VALUE entered by the candidate will be evaluated. Wherever applicable, depending on the question, answers will be evaluated by checking whether the answer entered by the candidate falls within a range of two values, with or without including the upper and lower values of the range depending on the question.

Some examples:

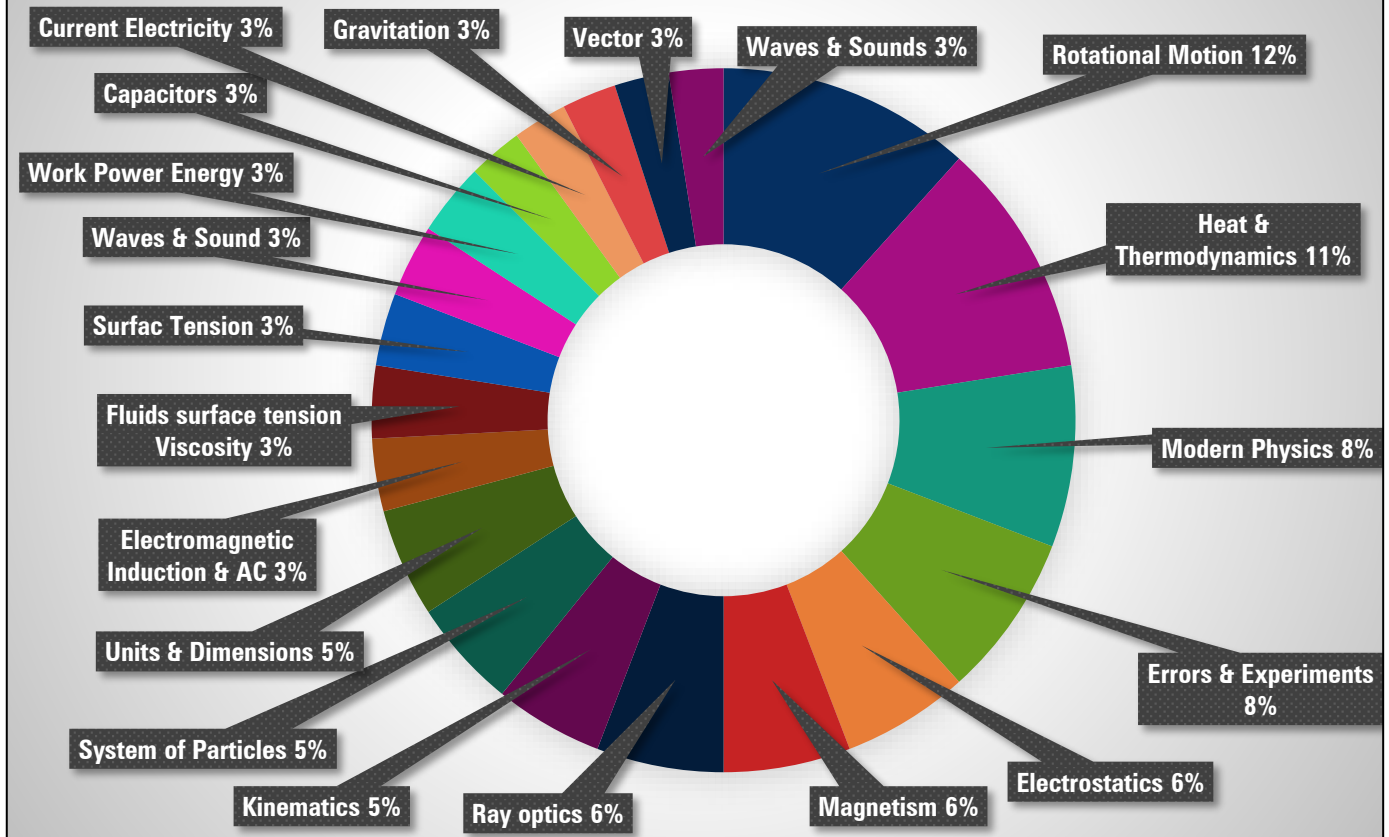
- I. If an answer is the integer 11 (Eleven), all answers entered as 11, 11.0 or 11.00 will be correct.
- II. If an answer is exactly the number 11.5 (Eleven-point-five), all answers entered as 11.5 or 11.50 will be correct.
- III. If an answer is the number 11.36777777..., all answers entered within a specified range, for example 11.36 to 11.37 (this range is shown for illustration purposes only) will be correct. Thus, both answers 11.36 and 11.37 will be correct.

## Physics Analysis

### Physics Topic vs Marks

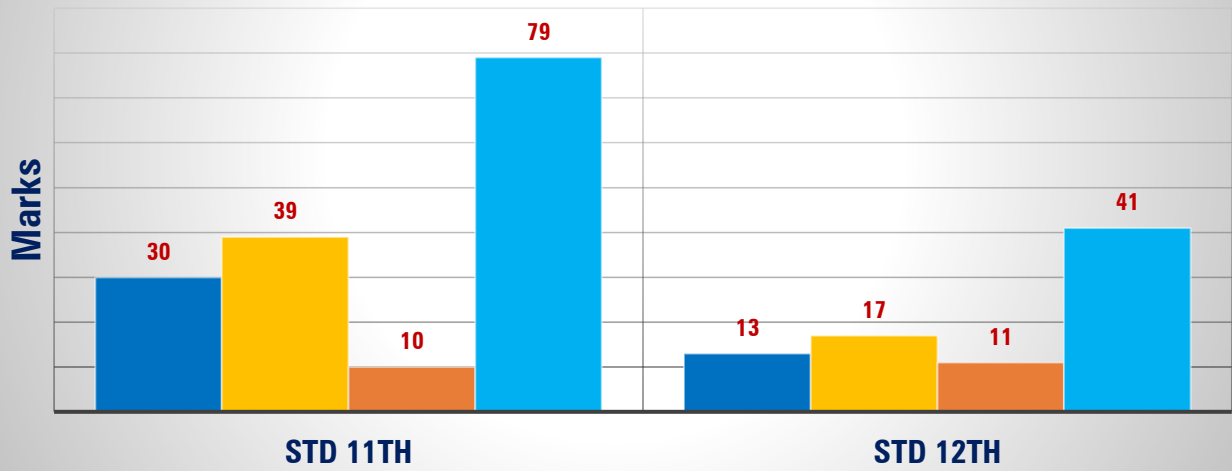


### Distribution Of Marks in Percentage



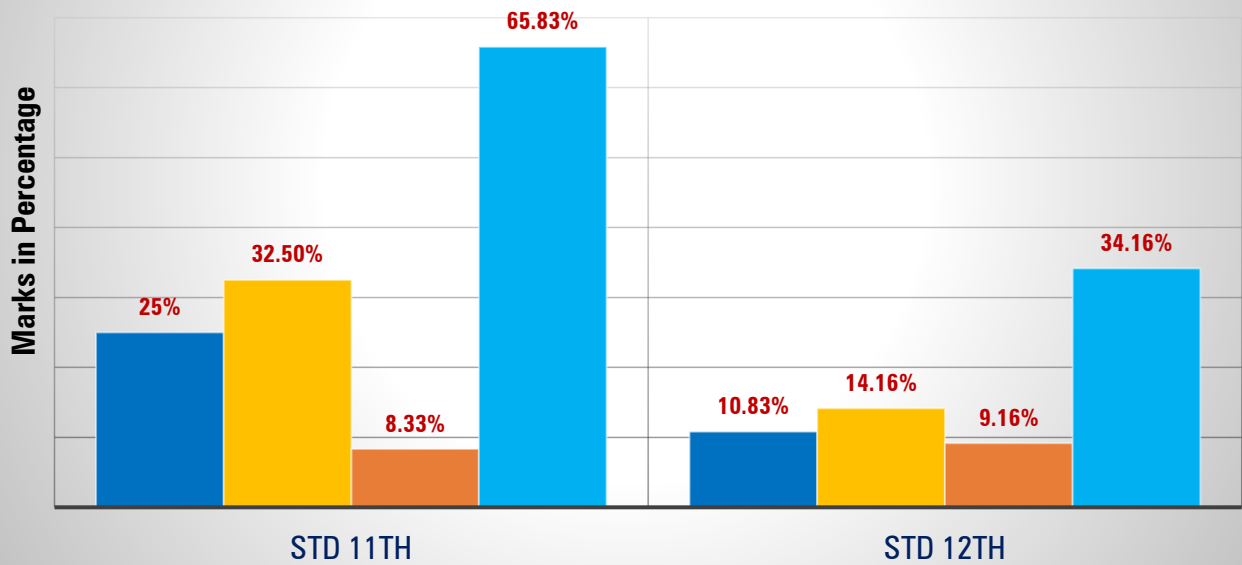
## Difficulty Level & Std wise Marks Analysis

■ Easy ■ Moderate ■ Difficult ■ Overall



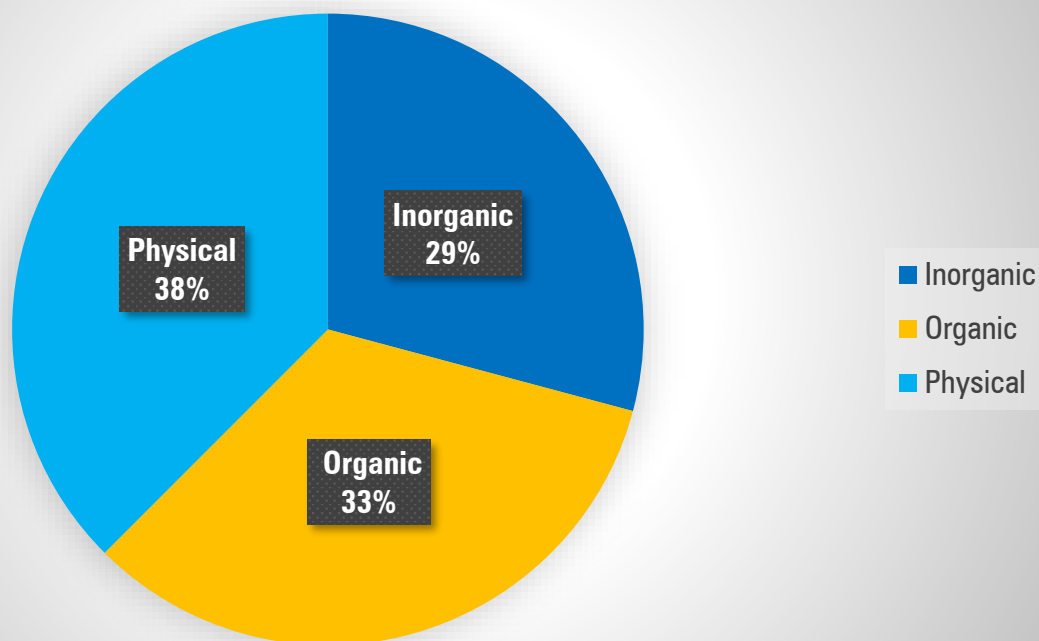
## Difficulty Level & Std wise Marks Analysis in Percentage

■ Easy ■ Moderate ■ Difficult ■ Overall

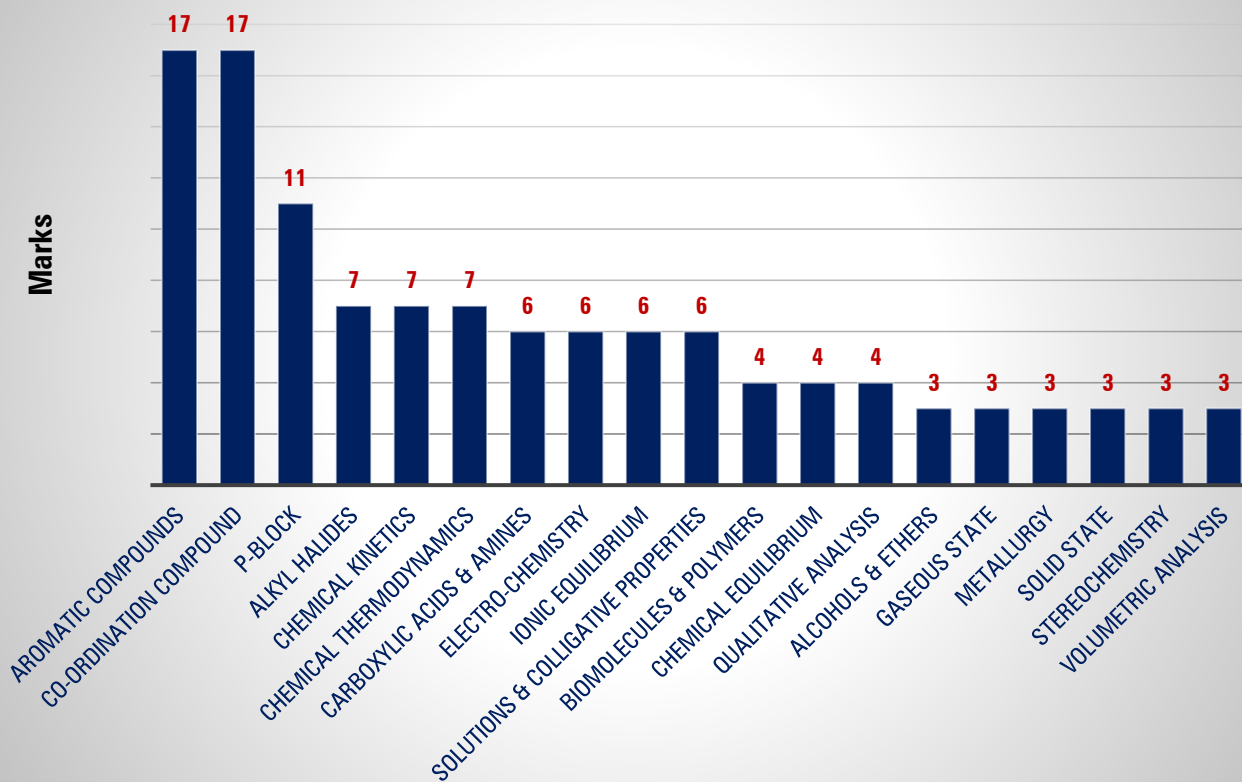


# Chemistry Analysis

## Distribution of Marks -Physical/ Organic/Inorganic

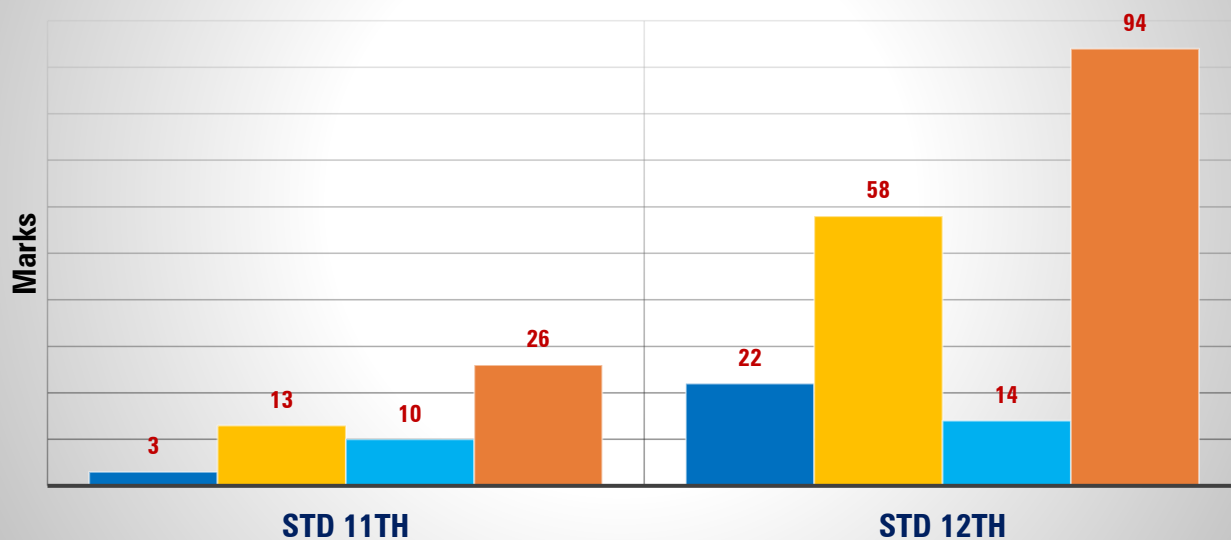


## Chemistry Topics vs Marks



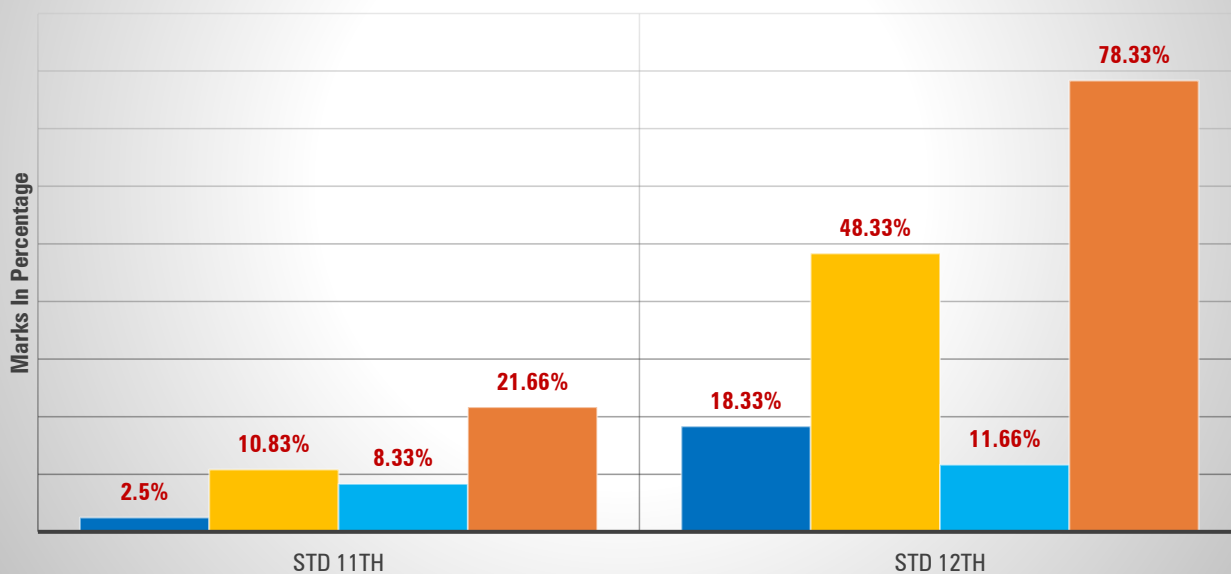
## Difficulty Level & Std wise Marks Analysis

■ Easy ■ Moderate ■ Difficult ■ Overall

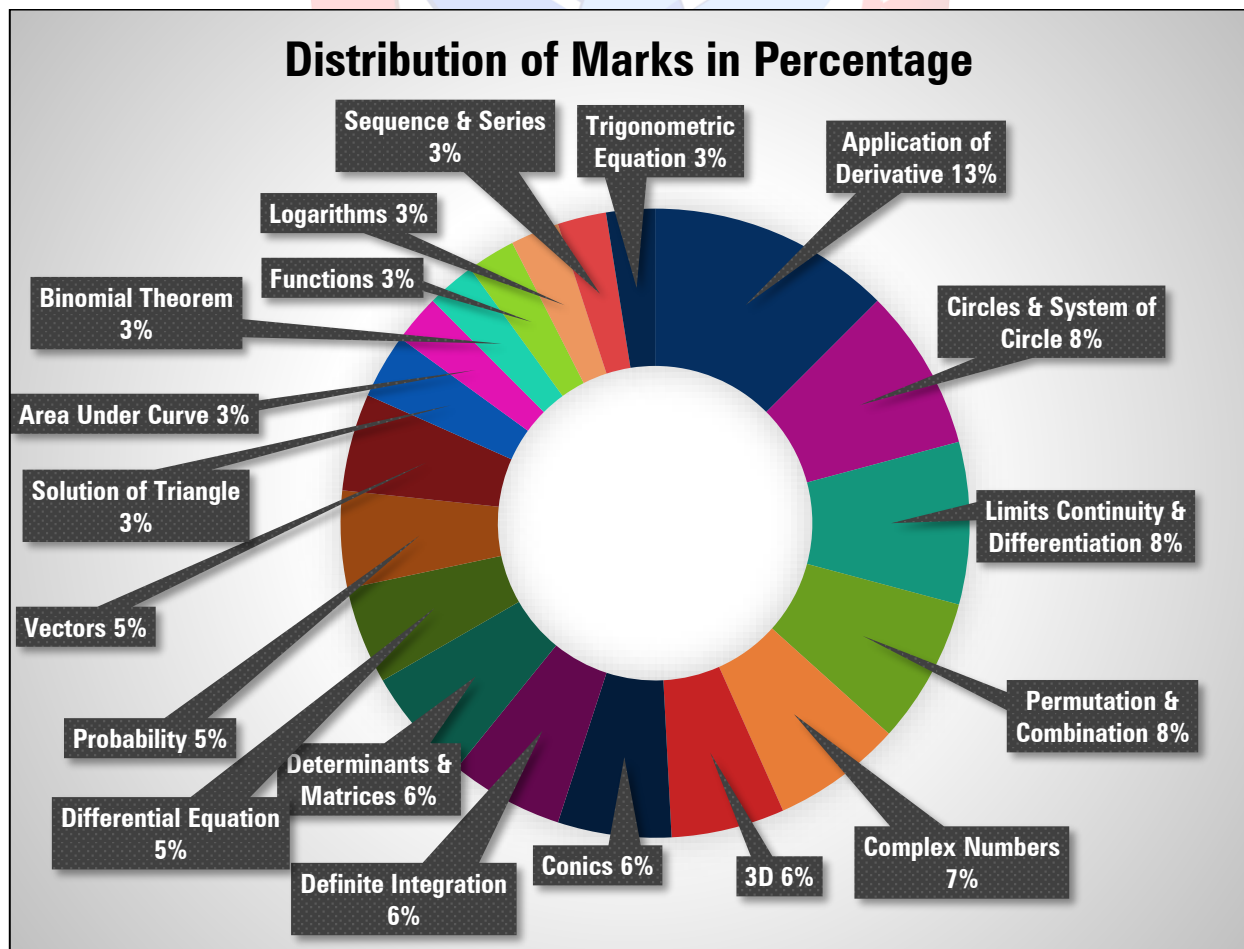
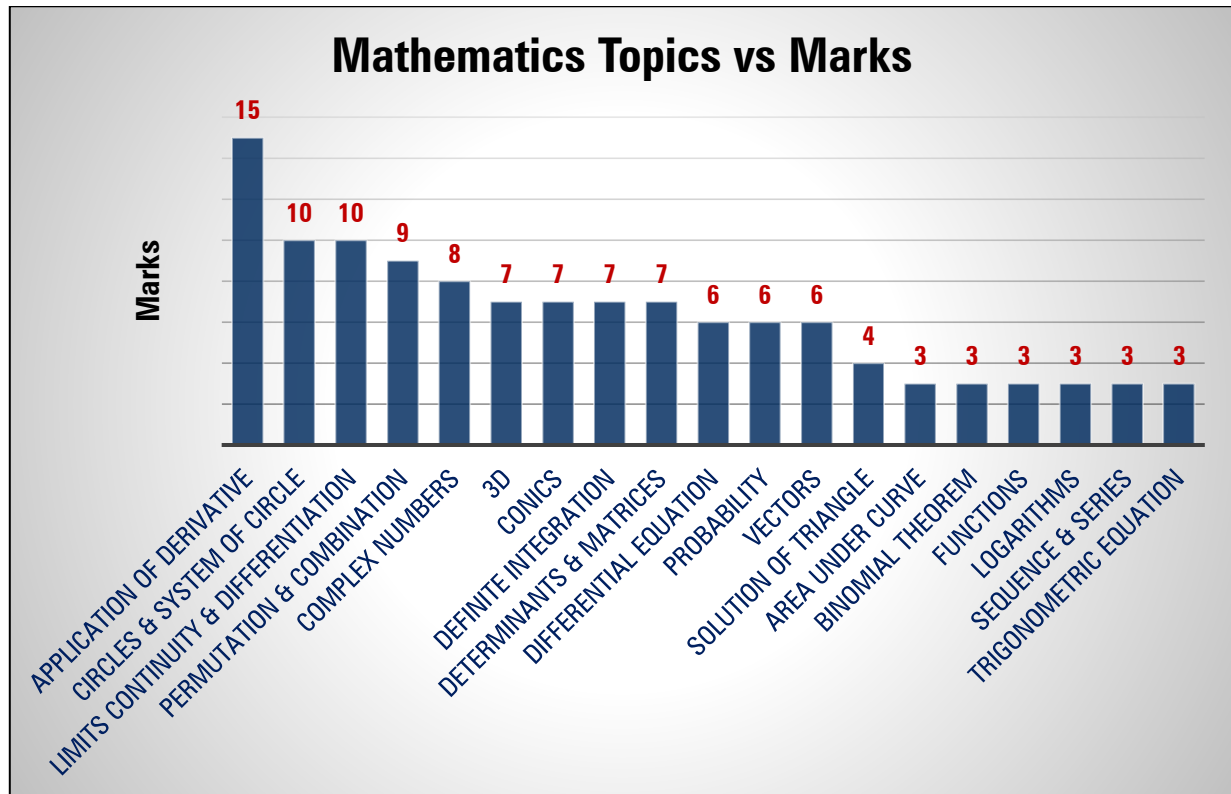


## Difficulty Level & Std wise Marks Analysis in Percentage

■ Easy ■ Moderate ■ Difficult ■ Overall

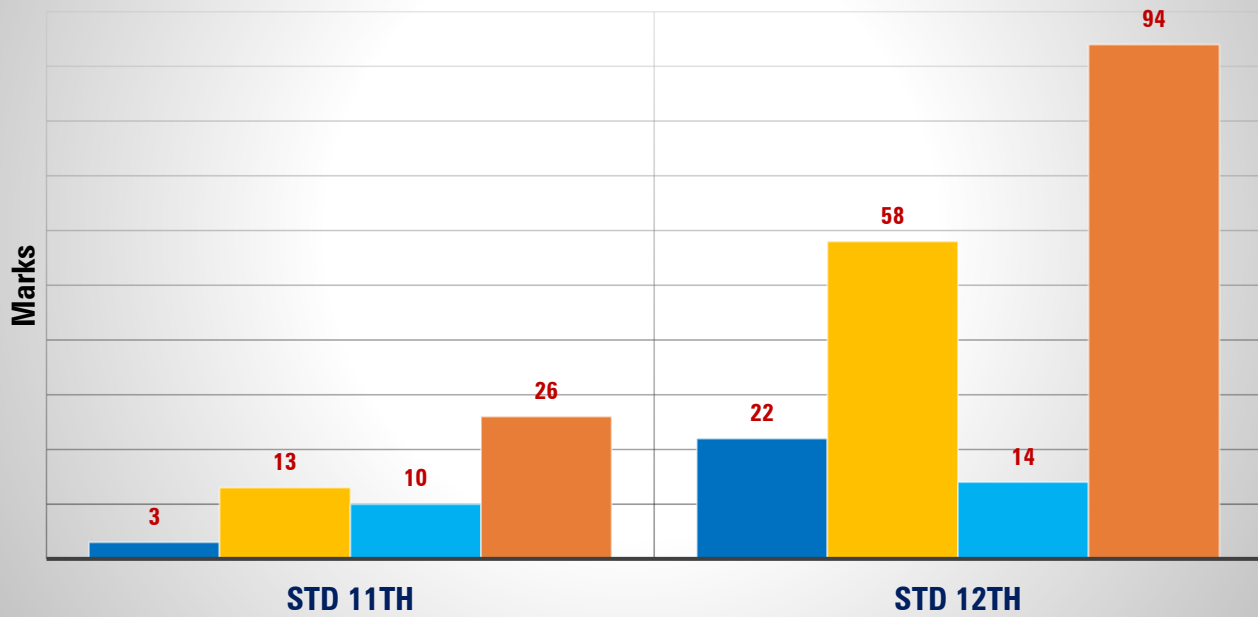


# Mathematics Analysis



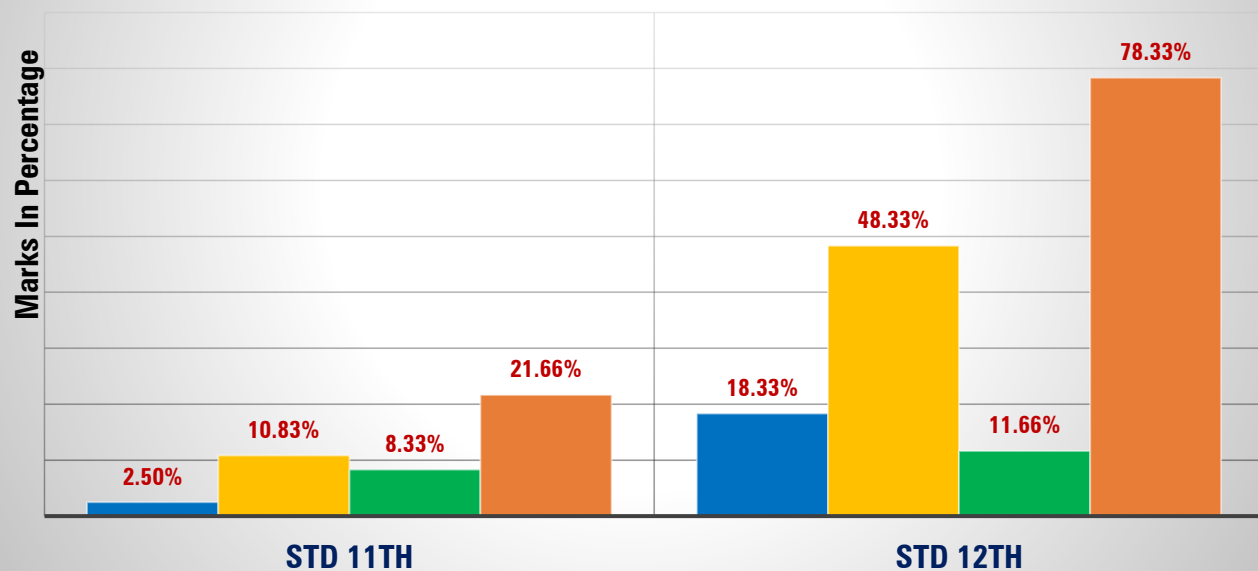
## Difficulty Level & Std wise Marks Analysis

■ Easy ■ Moderate ■ Difficult ■ Overall



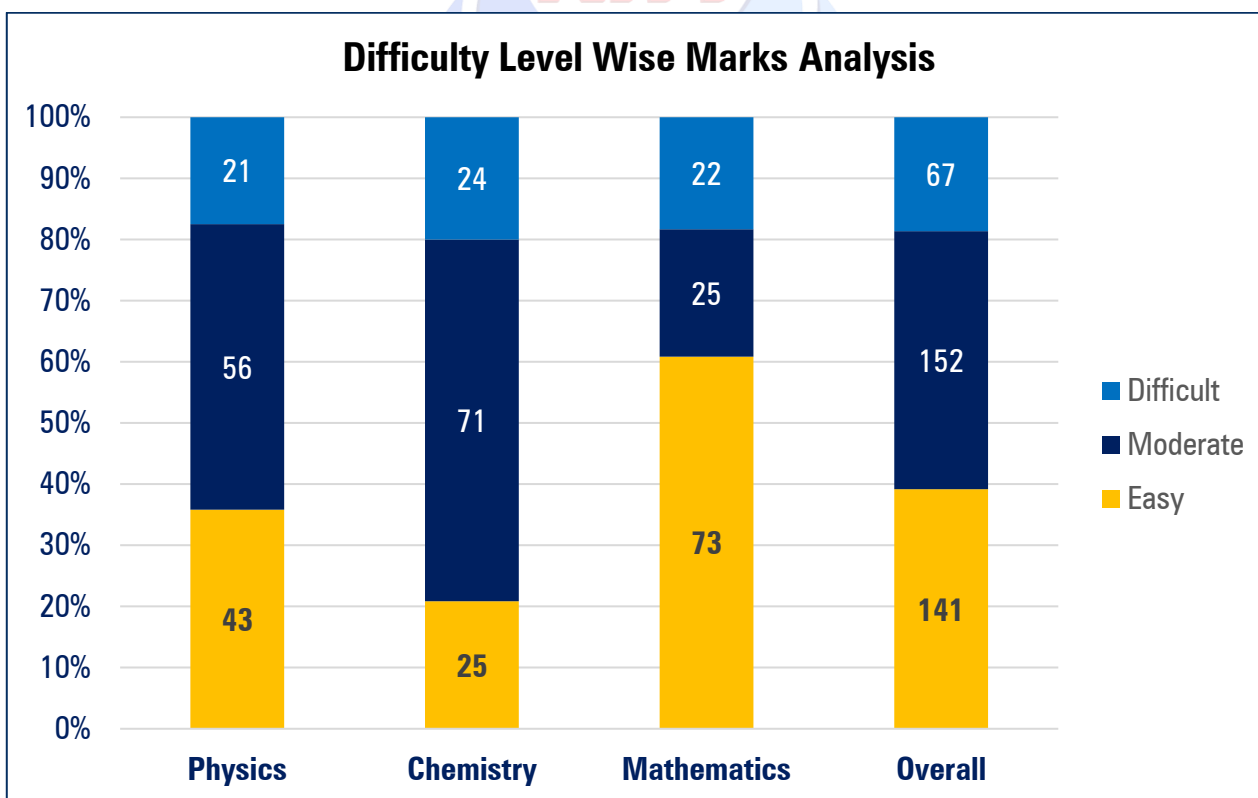
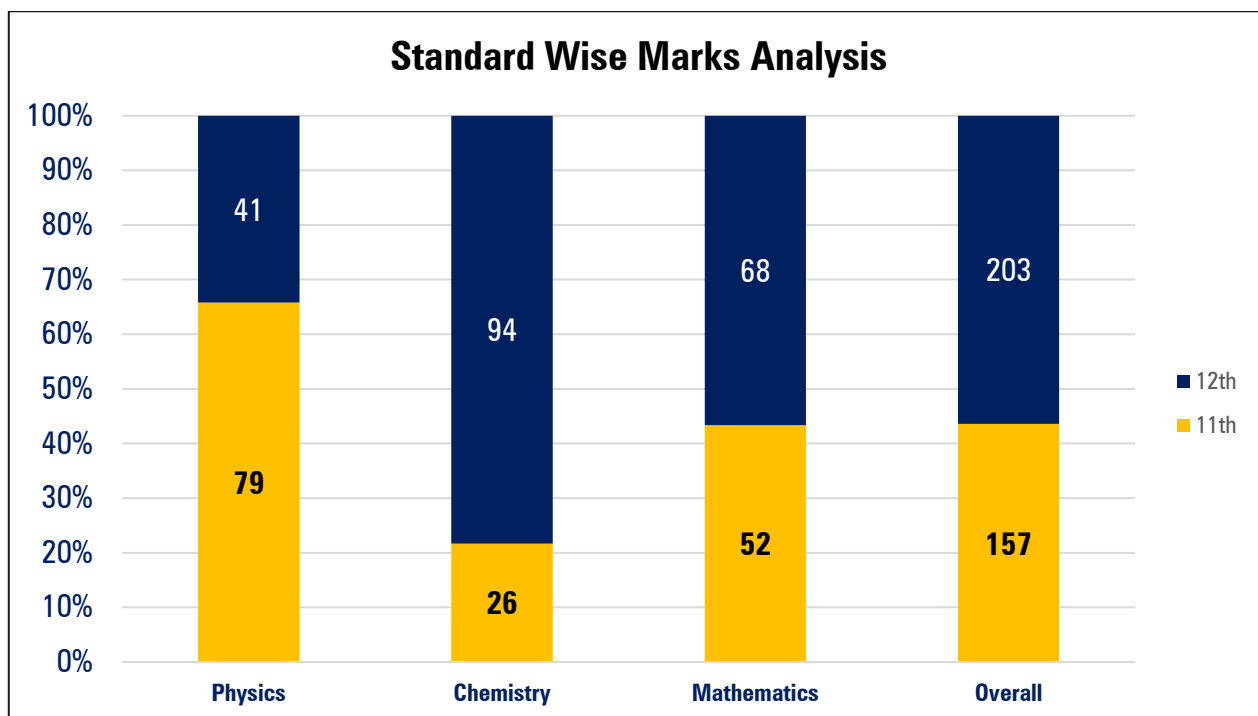
## Difficulty Level & Std wise Marks Analysis in Percentage

■ Easy ■ Moderate ■ Difficult ■ Overall





## Overall Analysis



- In paper 1, chemistry was easy in comparison to last 2-3 years papers, physics was difficult. There were some lengthy and difficult questions in physics. Mathematics was of moderate level. Some Students would have nervous by seeing the twist in numerical type question, but question was easy in this section. Overall paper was of moderate level. Paper 2 was little tougher than paper 1 because of column matching questions since students must solve four questions in each matrix. Physics was of same level as of paper 1. Chemistry was little difficult, but mathematics was of moderate level in mathematics. 2-3 numerical type of questions in chemistry were little difficult to find the answers. Paper 2 was also of moderate level but little tougher than last year. So cutoff marks will go down.

➤ Expected cutoff by Rao Experts:

Category	Cutoff Marks 2017	Expected Cutoff Marks 2018
CRL	128 (34.97%)	108
OBC-NCL	115 (31.42%)	97.2
SC	64 (17.49%)	54
ST	64 (17.49%)	54
CRL-PwD	64 (17.49%)	54
OBC-NCL-PwD	64 (17.49%)	54
SC-PwD	64 (17.49%)	54
ST-PwD	64 (17.49%)	54

